

## **Appendix 1**

# **Annual Course Report** **2022/2023**

## Frist Year

### Electronics and Communication Engineering

Term	No.	Code	Course
First Term	1	ECE 110	Circuit (1)
	2	ECE 120	Electronic Devices
	3	ECE 112	Electronic Measurement (1)
	4	PHM 151	Mathematics (3)
	5	PHM 153	Physics (3)
	6	ECE 114	Mechanical Engineering
	7	HUM 151	Selective Humanities Course (1) – Business Management and Communication & Presentation Skills
Second Term	8	ECE 111	Circuits (2)
	9	ECE 121	Analog Electronic circuits
	10	ECE 113	Electronic Measurement (2)
	11	PHM 152	Mathematics (4)
	12	PHM 154	Physics (4)
	13	ECE 180	Logic Design
	14	HUM 152	Humanities (2)- Technical Report Writing

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Circuits (1), (2) and (ECE 110-ECE 111)
2. **Program(s) on which this course is given:** Electronics, Communication Engineering & Computer Engineering
3. **Year/Level of program:** First year / 1<sup>st</sup> and 2<sup>nd</sup> Semester
4. **Unit hours:**  
Lectures: 2 hrs.      Tutorial: 1 hr.      Practical: 1 hr.      Total: 4 hrs.
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** ECE 110: Dr. Mohsen Saleh  
Dr. Nancy Wadie  
ECE 111: Dr. Mohsen Saleh  
Dr. Nancy Wadie
  - **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 200**
- **No. of students completing the course: 199**

#### Results:

No. of students	State	Percentage
162	Pass	81.41%
37	Fail	18.59%
1	Absence	-

Result Statistical				
Excellent	V. Good	Good	Pass	Fail

1	16	42	103	37
Percentage				
1%	8%	21%	52%	19%

## C. Professional Information

### 1. Course teaching:

- First and Second Terms.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
  - >90 %: √
  - 70-90 %:
  - <70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods (ECE 110)												
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation	
	b2.1	√			√	√	√				√		√
	b2.2	√		√	√	√	√				√	√	√
	b4.1	√	√		√	√	√				√		√



b5.1	✓	✓	✓	✓						✓	✓	
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Learning Outcomes (LOs)	Teaching and Learning Methods (ECE 111)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b2.1	✓			✓	✓	✓				✓		✓
b2.2	✓		✓	✓	✓	✓				✓	✓	✓
b4.1	✓	✓		✓	✓	✓				✓		✓
b5.1	✓	✓	✓	✓						✓	✓	

### 3. Student assessment:

3.1 Students' Assessment Methods (ECE 110 & ECE 111)		
No.	Assessment Method	Los
1	Attendance to measure	b2.1, b2.2, b4.1, and b5.1
2	Reports/ Sheets to measure	b2.1, b2.2, b4.1, and b5.1
3	Quizzes to measure (Quiz 1/Quiz 2)	b2.1, b2.2, b4.1, and b5.1
4	Mid-term exam to measure	b2.1, b2.2
5	Oral / Practical Exam to measure	b2.1, b2.2, b4.1, and b5.1
6	Final exam to measure	b2.1, b2.2, b4.1, and b5.1

### 3.2 Assessment schedule (ECE 110)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports/ Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term exam (on-line)	10
5	Oral/practical Exam	13
6	Final exam	14

### 3.2 Assessment schedule (ECE 111)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports/ Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term exam (on-line)	8
5	Oral/practical Exam	16
6	Final exam	17

### 3.3 Weighting of Assessments (Grading System) ( ECE 110 & ECE 111)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Quiz 1 / Quiz 2	20%	30	40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance	20%	30	10%	3
	Lab. Reports/ Activities			10%	3
	Final oral / practical exam			80%	24
Final Exam		60%	90	100%	90

Total		100%	150		150
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#### Members of examination committee:

**ECE 110:** Dr. Mohsen Saleh, Dr. Nancy Wadie

**ECE 111:** Dr. Mohsen Saleh, Dr. Nancy Wadie

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- **ECE 110 Student evaluates for the course is satisfactory by percentage of 77%**
- **ECE 111 Student evaluates for the course is satisfactory by percentage of 87%**

#### 7. Comments from external evaluator(s):

- Please look to appendix 2 in program specifications.

#### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** Done
- **Action State whether completed and give reasons for any none-completion:**  
Completed

#### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Make experiments of the filter and the frequency response topics using ELVIS kit.	2023/2024	Dr. Mohsen Saleh , Dr. Nancy Wadie

Title	Name	Signature
Course coordinator	Dr. Mohsen Saleh Dr. Nancy Wadie	Mohsen Saleh N.W. Wadie
Program coordinator	Dr. Sahar Kamal	Sahar Kamal
Head of program	Assoc. Prof. Ahmed M. ElMahalawy	A.M. Elmahalawy
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Electronic Devices, Analog Electronic Circuits **and** (ECE 120-ECE 121)
2. **Program(s) on which this course is given:** Electronics, Communication Engineering & Computer Engineering
3. **Year/Level of program:** First year / 1<sup>st</sup> and 2<sup>nd</sup> Semester
4. **Unit hours:**  
Lectures: 2 hrs.      Tutorial: - hr.      Practical: 1 hr.      Total: 3 hrs.
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** ECE 120: Dr. Fatma El-Fouly  
Dr. Nancy Wadie  
ECE 121: Prof. Dr. Salah El-Agoz  
Dr. Nancy Wadie
  - **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 204**
- **No. of students completing the course: 203**

#### Results:

No. of students	State	Percentage
156	Pass	76.85%
47	Fail	23.15%
1	Absence	-

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
11	27	42	76	47
Percentage				
5%	13%	21%	37%	23%

## C. Professional Information

### 1. Course teaching:

- First and Second Terms.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  

>90 %: ✓
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None.
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods (ECE 120)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. Experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b2.2	✓	✓	✓									
b2.1	✓	✓	✓		✓	✓		✓		✓		
b3.3					✓			✓			✓	✓
b4.2	✓				✓	✓		✓		✓		

Learning Outcomes (LOs)	Teaching and Learning Methods (ECE 121)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. Experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b2.2	√	√	√		√	√				√		
b2.1	√	√	√		√	√		√				√
b3.3					√			√				√
b4.2	√				√	√				√		
b5.2	√	√										

### 3. Student assessment:

#### 3.1 Students' Assessment Method

3.1.1 Students' Assessment Method (ECE 120)		
No.	Assessment Method	Los
1	Attendance	b2.1, b2.2, b3.3, b4.2
2	Reports / Sheets	b2.1, b2.2, b3.3, b4.2
3	Quiz 1 / Quiz 2	b2.1, b2.2, b3.3, b4.2
4	Mid-term Exam	b2.1, b2.2, b3.3, b4.2
5	Oral / Practical Exam	b2.1, b2.2, b3.3, b4.2
6	Final Exam	b2.1, b2.2, b3.3, b4.2

#### 3.1.2 Students' Assessment Method (ECE 121)

No.	Assessment Method	Los
1	Attendance	b2.1, b2.2, b3.3, b4.2
2	Reports / Sheets	b2.1, b2.2, b3.3, b4.2
3	Quiz 1 / Quiz 2	b2.1, b2.2, b3.3, b4.2
4	Mid-term Exam	b2.1, b2.2, b3.3, b4.2
5	Oral / Practical Exam	b2.1, b2.2, b3.3, b4.2
6	Final Exam	b2.1, b2.2, b3.3, b4.2, b5.2

### 3.2 Assessment Schedule (ECE 120)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (on-line)	10
5	Oral / Practical Exam	13
6	Final Exam	14

### 3.2 Assessment Schedule (ECE121)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (on-line)	8
5	Oral / Practical Exam	16
6	Final Exam	17

### 3.3 Weighting of Assessments (Grading System) (ECE 120 & ECE 121)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Practical / Oral	Practical Attendance	40%	40	5%	2
	Lab. Reports/ Activities			5%	2
	Quiz 1 / Quiz 2			20%	8
	Final oral / practical exam			70%	28
Final Exam		60%	60	100%	60
Total		100%	100		100

#### Members of examination committee:

- **ECE 120:** Dr. Fatma El-Fouly, Dr. Nancy Wadie
- **ECE 121:** Prof.Dr. Salah El-Agoz, Dr. Nancy Wadie
- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:



#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- ECE 120 Student evaluates for the course is satisfactory by percentage of 79%
- ECE 121 Student evaluates for the course is satisfactory by percentage of 88%

#### 7. Comments from external evaluator(s):

- Please look to appendix 2 in program specifications.

#### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** Done
- **Action State whether completed and give reasons for any none-completion:**  
Completed

#### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Explain the topic of current mirror in analog IC in details	2023/2024	Dr. Nancy Wadie

Title	Name	Signature
Course coordinator	Prof.Dr. Salah El-Agoz	<u>S. Elagoz</u>
	Dr. Fatma El-Fouly	<u>Fatma el Fouly</u>
	Dr. Nancy Wadie	<u>N. W. Riad</u>
Program coordinator	Dr. Sahar Kamal	<u>Sahar kamal</u>
Head of program	Assoc. Prof. Ahmed M. ElMahalawy	<u>A. M. Elmahalawy</u>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Electronic Measurement (1), (2) and (ECE 112-ECE 113)
- Program(s) on which this course is given:** Electronics, Communication Engineering & Computer Engineering
- Year/Level of program:** First year / 1<sup>st</sup> and 2<sup>nd</sup> Semester
- Unit hours:**  
Lectures: 1 hr.      Tutorial: 1 hr.      Practical: 1 hr.      Total: 3 hrs.
- Names of lecturers contributing to the delivery of the course**
  - Course coordinator:** ECE 112: Dr. Fatma Elfouly  
ECE 113: Dr. Khalil Elkhamisy
  - External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 205**
- No. of students completing the course: 203**

#### Results:

No. of students	State	Percentage
170	Pass	83.74%
33	Fail	16.26
2	Absence	-

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
5	23	50	92	33

Percentage				
2%	11%	25%	45%	16%

### C. Professional Information

#### 1. Course teaching:

- First and Second Terms.
- See Appendix 3.
- Topics taught as a percentage of the content specified:

>90 %: √

70-90 %:

<70%:

- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

#### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods ( ECE 112 & ECE 113)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b2.2	√	√	√	√		√				√		√
b4.1					√							√
b4.2	√	√	√	√	√	√				√		√

### 3. Student assessment:

#### 3.1 Students' Assessment Method

##### 3.1.1 Students' Assessment Method (ECE 112)

No.	Assessment Method	Los
1	Attendance	b2.2, b4.1, b4.2
2	Reports / Sheets	b2.2, b4.1, b4.2
3	Quiz 1 / Quiz 2	b2.2, b4.2
4	Mid-term Exam	b2.2, b4.2
5	Oral / Practical Exam	b2.2, b4.1, b4.2
6	Final Exam	b2.2, b4.2

##### 3.1.2 Students' Assessment Method (ECE 113)

No.	Assessment Method	Los
1	Attendance	b2.2, b4.1, b4.2
2	Reports / Sheets	b2.2, b4.1, b4.2
3	Quiz 1 / Quiz 2	b2.2, b4.2
4	Mid-term Exam	b2.2, b4.2
5	Oral / Practical Exam	b2.2, b4.1, b4.2
6	Final Exam	b2.2, b4.2

#### 3.2 Assessment Schedule ( ECE 112)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (on-line)	10
5	Oral / Practical Exam	13
6	Final Exam	14

#### 3.2 Assessment Schedule (ECE 113)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (on-line)	8
5	Oral / Practical Exam	16
6	Final Exam	17

#### 3.3 Weighting of Assessments (Grading System) ( ECE 112 & ECE 113)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Quiz 1 / Quiz 2	20%	25	40%	10

	Mid-term Exam			60%	15
Practical / Oral	Practical Attendance	20%	25	10%	3
	Lab. Reports/ Activities			10%	3
	Final oral / practical exam			80%	19
Final Exam		60%	75	100%	75
Total		100%	125		125

#### Members of examination committee:

- **ECE 112:** Dr. Fatma Elfouly, Dr. Nabil abd Rabou
- **ECE 113:** Dr. Fatma Elfouly, Dr. Khalil Elkhamicy
- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- ECE 112 Student evaluates for the course is satisfactory by percentage of 78%
- ECE 113 Student evaluates for the course is satisfactory by percentage of 88%

#### 7. Comments from external evaluator(s):

- Please look to appendix 2 in program specifications.

#### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.

- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

• **Progress on actions identified in the previous year's action plan:** Done

• **Action State whether completed and give reasons for any none-completion:**  
Completed

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Explain the topic of pencil on paper electronic devices in details.	2023/2024	Dr. Fatma Elfouly , Dr. Khalil Elkhameicy

Title	Name	Signature
Course coordinator	Dr. Fatma El-Fouly	<i>Fatma el Fouly</i>
	Dr. Khalil Elkhameicy	<i>Khalil ELKhamisy</i>
Program coordinator	Dr. Sahar Kamal	<i>Sahar Kamal</i>
Head of program	Assoc. Prof. Ahmed M. ElMahalawy	<i>A.M. Elmahalawy</i>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Mathematics (3), (4) and (PHM 151-PHM 152)
- Program(s) on which this course is given:** Electronics, Communication Engineering & Computer Engineering
- Year/Level of program:** First year / 1<sup>st</sup> and 2<sup>nd</sup> Semester
- Unit hours:**  
Lectures: 2 hrs.      Tutorial: 2 hrs.      Practical: - hr.      Total: 4 hrs.
- Names of lecturers contributing to the delivery of the course**
  - Course coordinator:** PHM 151: Dr. Mohamed Elsayed  
PHM 152: Dr. Mohamed Elsayed
  - External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 206**
- No. of students completing the course: 203**

#### Results:

No. of students	State	Percentage
154	Pass	75.86%
49	Fail	24.14
3	Absence	-

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
5	15	39	95	49



Percentage				
2%	7%	19%	47%	24%

### C. Professional Information

#### 1. Course teaching:

– First and Second Terms.

- See Appendix 3.

- Topics taught as a percentage of the content specified:

>90 %: √

70-90 %:

<70%:

- Reasons in detail for not teaching any topic: None

- If any topics were taught which are not specified, give reasons in detail: None

#### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods (PHM 151)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a1.1	√		√	√		√				√	√	
a1.2	√			√		√						
a2.2	√		√	√		√					√	

Learning Outcomes (LOs)	Teaching and Learning Methods (PHM 152)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a1.1	√		√	√		√				√		
a1.2	√		√	√		√						
a10	√		√	√						√	√	

### 3. Student assessment:

#### 3.1 Students' Assessment Methods

3.1.1 Students' Assessment Method (PHM 151)		
No.	Assessment Method	Los
1	Attendance	a1.1, a1.2, a2.2
2	Reports / Sheets	a1.1, a1.2, a2.2
3	Quiz 1 / Quiz 2	a1.1, a1.2, a2.2
4	Mid-term Exam	a1.1, a1.2, a2.2
5	Final Exam	a1.1, a1.2, a2.2
3.1.2 Students' Assessment Method (PHM 152)		
No.	Assessment Method	Los
1	Attendance	a1.1, a1.2, a10.
2	Reports / Sheets	a1.1, a1.2, a10
3	Quiz 1 / Quiz 2	a1.1, a1.2, a10.
4	Mid-term Exam	a1.1, a1.2, a10.
5	Final Exam	a1.1, a1.2, a10.

### 3.2 Assessment Schedule (PHM 151)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (on-line)	10
5	Final Exam	14

### 3.2 Assessment Schedule (PHM 152)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (on-line)	8
5	Final Exam	17

### 3.3 Weighting of Assessments (Grading System) ( PHM 151 & PHM 152)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	40	5%	2
	Reports / Activity			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
Final Exam		60%	60	100%	60
Total		100%	100		100

#### Members of examination committee:

- **PHM 151:** Dr. Mohamed Elsayed, Dr. Ahmed Samir
- **PHM 152:** Dr. Mohamed Elsayed, Dr. Ahmed Samir
- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

**6. Student evaluation of the course:**

- PHM 151 Student evaluates for the course is satisfactory by percentage of 83%
- PHM 152 Student evaluates for the course is satisfactory by percentage of 89%

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
  - All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
  - Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
  - Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** None
  - **Action State whether completed and give reasons for any none-completion:** None

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
None	2023/2024	Dr. Mohamed Elsayed

Title	Name	Signature
Course coordinator	Dr. Mohamed Elsayed	<u>Dr. Mohamed Elsayed</u>
Program coordinator	Dr. Sahar Kamal	<u>Sahar Kamal</u>
Head of program	Assoc. Prof. Ahmed M. ElMahalawy	<u>A.M. Elmahalawy</u>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Physics (3), (4) and (PHM 153-PHM 154)
- Program(s) on which this course is given** Electronics, Communication Engineering & Computer Engineering
- Year/Level of program:** First year / 1<sup>st</sup> and 2<sup>nd</sup> Semester
- Unit hours:**  
Lectures: 2 hrs.      Tutorial: 1 hr.      Practical: 1 hr.      Total: 4 hrs.
- Names of lecturers contributing to the delivery of the course**
  - Course coordinator:** PHM 153: Dr. Moustafa Shabaan  
PHM 154: Dr. Moustafa Shabaan
  - External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 203**
- No. of students completing the course: 202**

#### Results:

No. of students	State	Percentage
158	Pass	78.22%
44	Fail	21.78%
1	Absence	-

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
2	6	47	103	44

Percentage				
1%	3%	23%	51%	22%

### C. Professional Information

#### 1. Course teaching:

– First and Second Terms.

- See Appendix 3.

- Topics taught as a percentage of the content specified:

>90 %: √

70-90 %:

<70%:

- Reasons in detail for not teaching any topic: None

- If any topics were taught which are not specified, give reasons in detail: None

#### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods (PHM 153)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a1.1	√		√	√		√				√		
a2.1			√		√					√		
a2.2	√		√	√		√				√		
a7			√		√					√		

Learning Outcomes (LOs)	Teaching and Learning Methods (PHM 154)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a1.1	√		√			√				√		
a1.2				√						√		
a2.2	√		√							√		
a2.1			√							√		
a4			√							√		
a7					√							

### 3. Student assessment:

3.1 Students' Assessment Methods	
3.1.1 Students' Assessment Methods (PHM 153)	
Attendance to measure	a1.1, a2.1, a2.2, and a7
Reports / Sheets to measure	a1.1, a2.1, a2.2, and a7
Quizzes to measure (Quiz 1/Quiz 2)	a1.1, a2.1, a2.2, and a7
Mid-term exam to measure	a1.1, a2.1, a2.2, and a7
Practical Exam to measure	a1.1, a2.1, a2.2, and a7
Final exam to measure	a1.1, a2.1, a2.2, and a7



### 3.1.2 Students' Assessment Method (PHM 154)

No.	Assessment Method	Los
1	Attendance	a1.1, a1.2, a2.1, a2.2, a4 and a7
2	Reports / Sheets	a1.1, a1.2, a2.1, a2.2, a4 and a7
3	Quiz 1 / Quiz 2	a1.1, a1.2, a2.1, a2.2, a4 and a7
4	Mid-term Exam	a1.1 and a1.2
5	Practical Exam to measure	a1.1, a1.2, a2.1, a2.2, a4 and a7
6	Final Exam	a1.1, a1.2, a2.1, a2.2, a4 and a7

### 3.2 Time schedule (PHM 153)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term exam (on-line)	10
5	practical Exam	13
6	Final exam	14

### 3.2 Time schedule (PHM 154)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term exam (on-line)	8
5	practical Exam	16
6	Final exam	17

### 3.3 Grading system ( PHM 153 & PHM 154)

<b>Teacher Opinion</b>	Quiz 1 / Quiz 2	20%	25	40%	10
	Mid-term exam			60%	15
<b>Practical / Oral</b>	Practical Attendance	20%	25	10%	3
	Lab. Reports/Activities			10%	3
	Final oral / practical exam			80%	19
<b>Final Exam</b>		60%	75	60%	75
<b>Total</b>		100%	125		125

#### Members of examination committee:

- **PHM 153:** Dr. Moustafa Shabaan, Dr. Mohamed Said
- **PHM 154:** Dr. Moustafa Shabaan, Dr. Mohamed Said
- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- **PHM 153** Student evaluates for the course is satisfactory by percentage of **80%**
- **PHM 154** Student evaluates for the course is satisfactory by percentage of **84%**

#### 7. Comments from external evaluator(s):

- Please look to appendix 2 in program specifications.

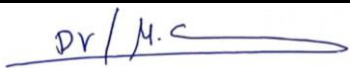

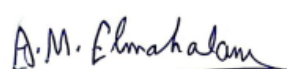
#### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).

- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** Done
- **Action State whether completed and give reasons for any none-completion:**  
Completed

#### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Introducing new topic in Physics (4) under the title: "Superconductivity and types of superconductors"	2023/2024	Dr. Moustafa Shabaan

Title	Name	Signature
Course coordinator	Dr. Moustafa Shabaan	
Program coordinator	Dr. Sahar Kamal	
Head of program	Assoc. Prof. Ahmed M. ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Mechanical Engineering, ECE 114
- Program(s) on which this course is given:** Electronics, Communication Engineering & Computer Engineering
- Year/Level of program:** First year / 1<sup>st</sup> Semester
- Unit hours:**  
Lectures: 2 hrs.      Tutorial: 1 hr.      Practical: - hr.      Total: 3 hrs.
- Names of lecturers contributing to the delivery of the course**

**Course coordinator:** Dr. Abdelnai Zaghloul

- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 198**
- No. of students completing the course: 198**

#### Results:

No. of students	State	Percentage
157	Pass	79.29%
41	Fail	20.71%
0	Absence	-

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	11	43	102	41

Percentage				
1%	6%	22%	52%	21%

## C. Professional Information

### 1. Course teaching:

– First Term.

- See Appendix 3.

- Topics taught as a percentage of the content specified:

>90 %: ✓

70-90 %:

<70%:

- Reasons in detail for not teaching any topic: None

- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods (ECE 114)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a1.1	✓		✓							✓		
a1.2	✓		✓		✓					✓		

### 3. Student assessment:

3.1 Students' Assessment Method		
No.	Assessment Method	Los
1	Attendance	a1.1, a1.2
2	Reports / Sheets	a1.1, a1.2
3	Quiz 1 / Quiz 2	a1.1, a1.2

4	Mid-term Exam	a1.1, a1.2
5	Oral / Practical Exam	a1.1, a1.2
6	Final Exam	a1.1, a1.2

### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (on-line)	10
5	Final Exam	14

### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
Final Exam		60%	60	100%	60
Total		100%	100		100

**Members of examination committee:** Dr. Abdelnai Zaghloul , Dr. Mostafa Elmohandes

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of 69%

## 7. Comments from external evaluator(s):

- Please look to appendix 2 in program specifications.

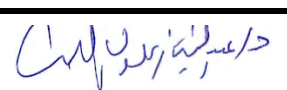

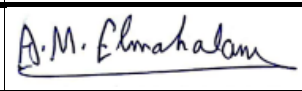
## 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:**  
The action plan of Adding some topics of modeling mechanical is done.
- **Action State whether completed and give reasons for any none-completion:**

Adding a laboratory part is not done because there are no practical hours in the regulation.

## 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
1- Add some electronic application. 2- Robotics analysis.	2023/2024	Dr. Abdelnai Zaghloul

Title	Name	Signature
Course coordinator	Dr. Abdelnai Zaghloul	
Program coordinator	Dr. Sahar Kamal	
Head of program	Assoc. Prof. Ahmed M. ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Humanities (1) – Business Management and Communication & Presentation Skills and HUM 151
- Program(s) on which this course is given:** Electronics, Communication Engineering & Computer Engineering
- Year/Level of program:** First year / 1<sup>st</sup> Semester
- Unit hours:**  
Lectures: 2 hrs.      Tutorial: 2 hrs.      Practical: - hr.      Total: 4 hrs.

#### 5. Names of lecturers contributing to the delivery of the course

**Course coordinator:** Dr. Khaled Ramadan

- External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 184**
- No. of students completing the course: 184**

#### Results:

No. of students	State	Percentage
170	Pass	92.39%
14	Fail	7.61%
0	Absence	-

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	15	24	130	14



Percentage				
1%	8%	13%	71%	8%

## C. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: ✓
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. Experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a8	✓	✓	✓	✓		✓				✓		
a9.2	✓	✓	✓	✓						✓		
a10	✓	✓	✓			✓						

### 3. Student assessment:

3.1 Students' Assessment Method		
No.	Assessment Method	Los
1	Attendance	a8, a9.2,a10
2	Reports / Sheets	a8, a9.2,a10
3	Quiz 1 / Quiz 2	a8, a9.2,a10
4	Mid-term Exam	a8, a9.2,a10
5	Final Exam	a8, a9.2,a10

3.2 Assessment Schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (on-line)	10
6	Final Exam	14

3.3 Weighting of Assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	20	5%	1
	Reports / Sheets			5%	1
	Quiz 1 / Quiz 2			30%	6
	Mid-term Exam			60%	12
Final Exam		60%	30	100%	30
Total		100%	50		50

#### Members of examination committee:

Dr. Khaled Ramadan

Dr. Sameh Fathy

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of 75%

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

**Progress on actions identified in the previous year's action plan:** Not completed.

**Action State whether completed and give reasons for any none-completion:** Due to the shortage in the time

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
There are shortcomings in the description of the course in the regulation 2019 and it must be modified by adding topics related to the Communication & Presentation Skills	2023/2024	Dr. Khaled Ramadan

Title	Name	Signature
Course coordinator	Dr. Khaled Ramadan	
Program coordinator	Dr. Sahar Kamal	
Head of program	Assoc. Prof. Ahmed M. ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Logic Design and ECE 180
2. **Program(s) on which this course is given:** Electronics, Communication Engineering & Computer Engineering
3. **Year/Level of program:** First year / 2<sup>nd</sup> semester
4. **Unit hours:**  
Lectures: 2 hrs.      Tutorial: - hrs.      Practical: 1 hr.      Total: 3 hrs.
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr. Fathy Nour
  - **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 198**
- **No. of students completing the course: 197**

#### Results:

No. of students	State	Percentage
158	Pass	80.2%
39	Fail	19.8%
1	Absence	-

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	12	30	115	39

Percentage				
1%	6%	15%	58%	20%

### C. Professional Information

#### 1. Course teaching:

- Second Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:

>90 %: √

70-90 %:

<70%:

- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

#### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b2.1	√	√	√		√	√	√	√		√	√	
b2.2	√	√	√		√	√	√	√		√	√	
b3.1	√	√	√		√	√	√	√		√	√	
b3.2	√	√	√		√	√	√	√		√	√	

b5.1	√	√	√		√	√	√	√		√	√	
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### 3. Student assessment:

3.1 Students' Assessment Method		
No.	Assessment Method	Los
1	Attendance	b2.1, b2.2, b3.1, b3.2, b5.1
2	Reports / Sheets	b2.1, b2.2, b3.1, b3.2, b5.1
3	Quiz 1 / Quiz 2	b2.1, b2.2, b3.1, b3.2, b5.1
4	Mid-term Exam	b2.1, b2.2, b3.1
5	Oral / Practical Exam	b2.1, b2.2, b3.1, b5.1
6	Final Exam	b2.1, b2.2, b3.1, b3.2, b5.1

3.2 Assessment Schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (on-line)	8
5	Oral / Practical Exam	16
6	Final Exam	17

3.3 Weighting of Assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Practical / Oral	Practical Attendance	40%	40	5%	2
	Lab. Reports/ Activities			5%	2
	Lab. Activities / Projects			20%	8
	Final oral / practical exam			70%	28
Final Exam		60%	60	100%	60
Total		100%	100		100

### Members of examination committee:

Dr. Fathy Nour

Dr. Mohsen Saleh

- **Role of external evaluator:** See Appendix 2 in program specifications.

### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

- List any difficulties encountered: None

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of 81%

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** Not completed
- **Action State whether completed and give reasons for any none-completion:** Due to the shortage in the time

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
1. Adding topic with title "Interface with Analog World".	2023/2024	Dr. Fathy Nour



Title	Name	Signature
Course coordinator	Dr. Fathy Nour	
Program coordinator	Dr. Sahar Kamal	
Head of program	Assoc. Prof. Ahmed M. ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Selective Humanities course (2) -Writing and presenting reports, research, and analysis and HUM 152
2. **Program(s) on which this course is given:** Electronics, Communication Engineering & Computer Engineering
3. **Year/Level of program:** First year / 2<sup>nd</sup> semester
4. **Unit hours:**  
Lectures: 2 hrs.      Tutorial: 1 hr.      Practical: - hr.      Total: 3 hrs.
5. **Names of lecturers contributing to the delivery of the course**

**Course coordinator:** Dr. Mohamed Edries

- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 190**
- **No. of students completing the course: 189**

#### Results:

No. of students	State	Percentage
178	Pass	94.18%
11	Fail	5.82%
1	Absence	-

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
19	42	51	66	11

Percentage				
10%	22%	27%	35%	6%

## C. Professional Information

### 1. Course teaching:

- Second Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:

>90 %: ✓

70-90 %:

<70%:

- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a7	√	√		√						√		
a8	√	√	√	√								
a9.1	√	√	√	√						√		

### 3. Student assessment:

3.1 Students' Assessment Method		
No.	Assessment Method	Los
1	Attendance	a7, a8, a9.1
2	Reports / Sheets	a7, a8, a9.1
3	Quiz 1 / Quiz 2	a7, a8, a9.1
4	Mid-term Exam	a7, a8, a9.1
5	Oral / Practical Exam	-
6	Final Exam	a7, a8, a9.1

3.2 Assessment Schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (on-line)	8
5	Oral / Practical Exam	-
6	Final Exam	17

3.3 Weighting of Assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	20	5%	1
	Reports / Sheets			5%	1
	Quiz 1 / Quiz 2			30%	6
	Mid-term Exam			60%	12
Final Exam		60%	30		
Total		100%	50		

#### Members of examination committee:

Dr. Mohamed Edries

Dr. Khaled Ramadan

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

- List any difficulties encountered: None

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of 85%

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

**Progress on actions identified in the previous year's action plan:** Done

**Action State whether completed and give reasons for any none-completion:**

Completed

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Make research on performance skills and body language.	2023/2024	Dr. Mohamed Edries

Title	Name	Signature
Course coordinator	Dr. Mohamed Edries	<i>Mohamed Edries</i>
Program coordinator	Dr. Sahar Kamal	<i>Sahar Kamal</i>
Head of program	Assoc. Prof. Ahmed M. ElMahalawy	<i>A.M. Elmahalawy</i>
Date	August 2023	

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# **Appendix 1**

## **Annual Course Report**

### **2022/2023**

## Second Year

### Electronics and Communication engineering and Computer and control Engineering

Term	No.	Code	Course
First Term	1	ECE222	Electronic circuits Analysis
	2	ECE270	Electromagnetic Fields
	3	ECE240	Signal and System Analysis
	4	PHM 251	Mathematics (5)
	5	ECE 281	Microprocessors
	6	ECE 282	Structural Programming
	7	HUM 251	Quality Control and Quality Assurance System
Second Term	8	ECE 223	Integrated Electronic Circuits
	9	ECE 271	Electromagnetic waves (1)
	10	ECE241	Random Signals and Noise
	11	ECE244	Analog Communications
	12	ECE283	Object-Oriented Programming
	13	ECE 242	Digital Signal Processing
	14	EPM 249	Electrical Machine



## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Electronic circuits Analysis **Code:** ECE 222 1<sup>st</sup> term  
Integrated Electronic Circuits **Code:** ECE 223 2<sup>nd</sup> term
2. **Program(s) on which this course is given:** Electronics and Communication engineering.
3. **Year/Level of program:** Second year, First Semester and Second Semester
4. **Unit hours:**

ECE 222: Lectures: 2 hrs. Tutorial: 1 hrs. Practical: 1 hrs. Total: 4 hrs  
ECE 223: Lectures: 2 hrs. Tutorial: 2 hrs. Practical: -- hrs. Total: 4 hrs.

#### 5. Names of lecturers contributing to the delivery of the course

- **Course coordinator:** Dr. Nabil Abd Rabou
- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaie  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 179**
- **No. of students completing the course: 179**
- **Results:**

No. of students	State	Percentage
156	Pass	87.15%
23	Fail	12.85%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
3	14	33	106	22
Percentage				
2%	8%	18%	59%	13%

## C. Professional Information

### 1. Course teaching:

- please look at appendix (3) in program report
- Topics taught as a percentage of the content specified:
  - >90 %: ✓
  - 70-90 %:
  - <70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

First term (ECE 222)												
Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. Experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b3.1	✓	✓	✓	✓	✓	✓		✓		✓		
b3.2		✓	✓	✓	✓	✓		✓				
b3.3	✓	✓	✓	✓								
b4.1				✓	✓			✓				
b4.2	✓	✓	✓	✓		✓				✓		

Second Term (ECE 223)												
Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. Experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c2.2	✓		✓	✓		✓	✓			✓		
c4.1	✓	✓	✓	✓		✓				✓		

### 3- Student assessment:

3.1 Students' assessment method		
1 <sup>st</sup> term		
No.	Assessment Method	Los
1	Attendance	b3.1, b3.2, b3.3, b4.1, b4.2
2	Reports / Sheets	b3.1, b3.2, b3.3, b4.1, b4.2
3	Quiz 1 / Quiz 2	b3.1, b3.2, b3.3, b4.1, b4.2
4	Mid-term Exam	b3.1, b3.2, b3.3, b4.1, b4.2
5	Oral / Practical Exam	b3.1, b3.2, b3.3, b4.1, b4.2
6	Final Exam	b3.1, b3.2, b3.3, b4.1, b4.2
2 <sup>nd</sup> term		
No.	Assessment Method	Los
1	Attendance	c2.2, c4.1
2	Reports / Sheets	c2.2, c4.1
3	Quiz 1 / Quiz 2	c2.2, c4.1
4	Mid-term Exam	c2.2, c4.1
5	Final Exam	c2.2, c4.1

### 3.2 Assessment schedule

#### 1<sup>st</sup> term (ECE 222)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 / 11
4	Mid-term Exam (online)	10
5	Oral / Practical Exam	13
6	Final Exam	14

#### 2<sup>nd</sup> term (ECE 223)

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 / 11
4	Mid-term Exam (online)	8
5	Final Exam	17

### 3.3 Weighting of assessments (Grading System)

1<sup>st</sup> term (ECE 222)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	20%	30	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
<b>Practical / Oral</b>	Practical Attendance	20%	30	10%	3
	Lab. Reports			10%	3
	Lab. Activities / Projects			--	--
	Final oral / practical exam			80%	24
Final Exam		60%	90	100%	90
Total		100%	150		150

2nd term (ECE 223)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	40%	60	5%	3
	Reports / Sheets			5%	3
	Quiz 1 / Quiz 2			30%	18
	Mid-term Exam			60%	36
Final Exam		60%	90	100%	90
Total		100%	150		150

**Members of examination committee:**

**ECE 222:** Dr. Nabil Abd Rabou, Dr. Fatma El-foly

**ECE 223:** Dr. Nabil Abd Rabou, Dr. Fatma El-foly

- **Role of external evaluator:** See Appendix 2 in program specifications.

**4. Facilities and teaching materials:**

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

- List any difficulties encountered: None

**6. Student evaluation of the course:**

- ECE 222: Student evaluates for the course is satisfactory by percentage 79%.
- ECE 223: Student evaluates for the course is satisfactory by percentage 84%.

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.




**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan: Done.**
- **Action State whether completed and give reasons for any none-completion: None.**

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Rearrange the grading system for the Mid-Term Exam which is 36 Marks such that 12 Marks are assigned for practical project and the remaining 24 Marks are assigned for Mid-Term Exam.	2023-2024	Dr. Nabil Abd Rabou



Title	Name	Signature
Course coordinator	Dr. Nabil Abd Rabou	
Program coordinator	Dr. Sahar Kamal	
Head of program	Assoc. prof. Dr. Ahmed ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- 1- **Title and code:** Microprocessor **Code:** ECE 281
- 2- **Program(s) on which this course is given:** Electronics and Communication engineering.
- 3- **Year/Level of program:** Second year, First Semester.
- 4- **Unit hours:**  
Lectures: 2 hrs. Tutorial: -- hrs. Practical: 1 hrs. Total: 3 hrs.
- 5- **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr. Fathi El-Sayed Nour
  - **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaie  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:**169
- **No. of students completing the course:**169

#### Results:

No. of students	State	Percentage
151	Pass	89.35%
18	Fail	10.65%
0	absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
2	9	35	105	18
Percentage				
1%	5%	21%	62%	10%

## C. Professional Information

### 1.Course teaching:

- please look at appendix (3) in program report
- Topics taught as a percentage of the content specified:
  - >90 %: ✓
  - 70-90 %:
  - <70%:
- Reasons in detail for not teaching any topic: None.
- If any topics were taught which are not specified, give reasons in detail: None.

### 2.Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. Experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b3.1	✓		✓		✓	✓	✓			✓	✓	✓
b3.2	✓		✓		✓	✓	✓			✓	✓	✓
b3.3	✓		✓		✓	✓	✓			✓	✓	✓
b5.1	✓		✓		✓	✓	✓			✓	✓	✓

### 3- Student assessment:

### 3.1 Students' assessment method

No.	Assessment Method	Los
1	Attendance	b3.1, b3.2, b3.3, b5.1
2	Reports / Sheets	b3.1, b3.2, b3.3, b5.1
3	Quiz 1 / Quiz 2	b3.1, b3.2, b3.3, b5.1
4	Mid-term Exam	b3.1, b3.2, b3.3, b5.1
5	Oral / Practical Exam	b3.1, b3.2, b3.3, b5.1
6	Final Exam	b3.1, b3.2, b3.3, b5.1

### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 / 11
4	Mid-term Exam (online)	10
5	Oral / Practical Exam	13
6	Final Exam	14

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Practical / Oral</b>	Practical Attendance	40%	40	5%	2
	Lab. Reports/ Activities			5%	2
	Quiz 1/ Quiz 2			20%	8
	Oral / practical exam			70%	28
Final Exam		60%	60	100%	60
Total		100%	100		100

#### Members of examination committee:

**ECE 291:** Dr. Fathi El-Sayed Nour

Dr. Ahmed El-shafiee

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4- Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:

- Inadequate:
- List any inadequacies:

**5- Administrative constraints:**

List any difficulties encountered: None.

**6- Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage 61%.

**7- Comments from external evaluator(s):**




Please look to appendix 2 in program specifications.

**8- Course enhancement:**

- Working in the hybrid education system (face to face - online).
  - All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
  - The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the students' assignments and reports uploaded through the E-learning platform (Moodle).
  - Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan: Done**
  - **Action State whether completed and give reasons for any none-completion: None.**

**9- Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Tables and subroutines programs will be addressed	2022/2023	Dr. Fathi El-Sayed Nour

Title	Name	Signature
Course coordinator	Dr. Fathi El-Sayed Nour	
Program coordinator	Dr. Sahar Kamal	
Head of program	Assoc. prof. Dr. Ahmed ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Signal and System Analysis **Code:** ECE 240
2. **Program(s) on which this course is given:** Electronics and Communication engineering.
3. **Year/Level of program:** Second year, First Semester
4. **Unit hours:**  
Lectures: 2 hrs.      Tutorial: 2 hrs.      Practical: --hrs.      Total: 4 hrs.
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr. Walid Abdelshafy
  - **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaie  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 173
- **No. of students completing the course:** 173
- **Results:**

No. of students	State	Percentage
143	Pass	82.66%
30	Fail	17.34%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
25	27	22	69	30
Percentage				
14%	16%	13%	40%	18%



## C. Professional Information

### 1. Course teaching:

- please look at appendix (3) in program report
- Topics taught as a percentage of the content specified:  

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None.
- If any topics were taught which are not specified, give reasons in detail: None.

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. Experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b1.1	√	√	√	√		√						
b1.2	√	√	√	√		√				√	√	
b4.2	√	√	√	√		√	√			√	√	

### 3. Student assessment:

3.1 Students' Assessment Method		
No.	Assessment Method	Los
1	Attendance	b1.1, b1.2, b4.2
2	Reports / Sheets	b1.1, b1.2, b4.2
3	Quiz 1 / Quiz 2	b1.1, b1.2, b4.2
4	Mid-term Exam (online)	b1.1, b1.2
5	Oral / Practical Exam	-
6	Final Exam	b1.1, b1.2, b4.2

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 / 11
4	Mid-term Exam	10
5	Final Exam	14

3.3 Weighting of Assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
Final Exam		60%	60	100%	60
Total		100%	100		100

**Members of examination committee:**

**ECE 240:** Dr. Walid Abdelshafy  
Prof. Salah El-agooz

- **Role of external evaluator:** None

**4. Facilities and teaching materials:**

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

- List any difficulties encountered: None.

**6. Student evaluation of the course:**

- **Student evaluates for the course is satisfactory by percentage 81%.**

**7. Comments from external evaluator(s):**

Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face - online).
  - All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
  - The exams were helped electronically remotely (mid-term exams - quizzes - etc.), in addition all the students 'assignments and reports uploaded through the E-learning platform (Moodle).
  - Microsoft teams program was used to broadcast lectures remotely.
- Please look appendix 6

- **Progress on actions identified in the previous year's action plan: Done.**
- **Action State whether completed and give reasons for any none-completion: None.**

### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Add introduction to Discrete Time Fourier Transform (DTFT)	2023/2024	Dr. Walid Abdelshafy

Title	Name	Signature
Course coordinator	Dr. Walid Abdelshafy	Walid Abd-Elshafi
Program coordinator	Dr. Sahar Kamal	Sahar Kamal
Head of program	Assoc. prof. Dr. Ahmed ElMahalawy	أحمد مكي مالح
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- 1- **Title and code:** Mathematics (5) **Code:** PHM 251
- 2- **Program(s) on which this course is given:** Electronics and Communication engineering.
- 3- **Year/Level of program:** Second year, First Semester
- 4- **Unit hours:**  
Lectures: 2 hrs.      Tutorial: 2 hrs.      Practical: -- hrs.      Total: 4 hrs.
- 5- **Names of lecturers contributing to the delivery of the course**  
**Course coordinator:** Dr. Ahmed Samir  
**External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaie  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 175**
- **No. of students completing the course: 175**
- **Results:**

No. of students	State	Percentage
158	Pass	90.29%
17	Fail	9.71%
0	absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	6	37	115	17
Percentage				
0%	3%	21%	66%	10%

## C. Professional Information

### 1. Course teaching:

- please look at appendix (3) in program report
- Topics taught as a percentage of the content specified:  

>90 %: ✓
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None.
- If any topics were taught which are not specified, give reasons in detail: None.

### 2. Teaching and learning methods:

<i>Learning Outcomes (LOs)</i>	<i>Teaching and Learning Methods</i>											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a1.1	✓		✓	✓		✓						
a1.2	✓		✓	✓		✓	✓			✓	✓	
a2.2	✓		✓	✓		✓				✓	✓	
a5.1	✓		✓	✓		✓	✓					

### 3. Student assessment:

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Attendance	a1.1, a1.2, a2.2, a5.1
2	Reports / Sheets	a1.1, a1.2, a2.2, a5.1
3	Quiz 1 / Quiz 2	a1.1, a1.2, a2.2, a5.1
4	Mid-term Exam	a1.1, a1.2, a2.2, a5.1
5	Final Exam	a1.1, a1.2, a2.2, a5.1

#### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 / 11
4	Mid-term Exam (online)	10
5	Final Exam	14

#### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree )
<b>Teacher Opinion</b>	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
Final Exam		60%	60	100%	60
Total		100%	100		100

### Members of examination committee:

**PHM 251:** Dr. Ahmed Samir

Dr. Mohamed Ahmed Elsayed

- **Role of external evaluator:** None

#### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

List any difficulties encountered: None.

#### 6. Student evaluation of the course:

- **PHM 251: Student evaluates for the course is satisfactory by percentage 77%.**
- **Response of course team: Excellent.**

#### 7. Comments from external evaluator(s):

Please look to appendix 2 in program specifications.




#### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan: None.**
- **Action State whether completed and give reasons for any none-completion: None.**



## 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
None	2023-2024	Dr. Ahmed Samir

Title	Name	Signature
Course coordinator	Dr. Ahmed Samir	
Program coordinator	Dr. Sahar Kamal	
Head of program	Assoc. prof. Dr. Ahmed ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

**1. Title and code:** Electromagnetic Fields **Code:** ECE 270 1<sup>st</sup> term  
Electromagnetic waves (1) **Code:** ECE 271 2<sup>nd</sup> term

**2. Program(s) on which this course is given:** Electronics and Communication engineering.

**3. Year/Level of program:** Second year, First Semester and Second Semester

**4. Unit hours:**

ECE270: Lectures: 2 hrs. Tutorial: 1 hrs. Practical: -- hrs. Total: 3 hrs.

ECE271: Lectures: 2 hrs. Tutorial: 2 hrs. Practical: -- hrs. Total: 4 hrs.

**5. Names of lecturers contributing to the delivery of the course**

- **Course coordinator:** Dr. Hamed Elshenawy  
Dr. Mahmoud Elghorab

- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaie  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:**178
- **No. of students completing the course:**178
- **Results:**

No. of students	State	Percentage
153	Pass	85.96%
25	Fail	14.04%
0	absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	15	37	100	25
Percentage				
1%	8%	21%	56%	14%

## C. Professional Information

### 1. Course teaching:

- please look at appendix (3) in program report
- Topics taught as a percentage of the content specified:
  - >90 %: √
  - 70-90 %:
  - <70%:
- Reasons in detail for not teaching any topic:
- If any topics were taught which are not specified, give reasons in detail:

### 2. Teaching and learning methods:

First term (ECE 270)												
Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b1.1	√	√	√	√		√	√			√	√	
b1.2	√	√	√	√		√	√			√	√	
b2.2	√	√	√	√		√	√			√	√	

Second Term (ECE 271)												
Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b1.2	✓	✓	✓	✓		✓	✓		✓	✓		
b2.2	✓	✓	✓	✓		✓	✓		✓	✓		

### 3. Student assessment:

3.1 Students' assessment method		
1 <sup>st</sup> term (ECE 270)		
No.	Assessment Method	Los
1	Attendance to measure	b1.1, b1.2 and b2.2
2	Reports / Sheets to measure	b1.1, b1.2 and b2.2
3	Quizzes to measure (Quiz 1/Quiz 2)	b1.1, b1.2 and b2.2
4	Mid-term exam to measure	b1.1, b1.2 and b2.2
5	Oral / Practical Exam to measure	b1.1, b1.2 and b2.2
6	Final exam to measure	b1.1, b1.2 and b2.2
2 <sup>nd</sup> term (ECE 271)		
No.	Assessment Method	Los
1	Attendance	b1.2, b2.2
2	Reports / Sheets	b1.2, b2.2
3	Quiz 1 / Quiz 2	b1.2, b2.2
4	Mid-term Exam	b1.2, b2.2
5	Oral / Practical Exam to measure	----
6	Final Exam	b1.2, b2.2
3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (First term) (on-line)	10
	Mid-term Exam (Second term) (on-line)	8
5	Final Exam (First term)	14
	Final Exam (Second term)	17

### 3.3 Weighting of assessments (Grading System)

#### 1<sup>st</sup> term (ECE 270)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Reports / sheets / Activities	40 %	40	5 %	2
	Attendance			5 %	2
	Quiz 1 / Quiz 2			30 %	12
	Mid-term exam			60 %	24
<b>Final Exam</b>		60 %	60	60 %	60
<b>Total</b>				100 %	100

#### 2<sup>nd</sup> term (ECE 271)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
<b>Final Exam</b>		60%	60	100%	60
<b>Total</b>		100%	100		100

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**Members of examination committee:**

**ECE 270:** Dr. Hamed Elshenawy  
Dr. Mohamed Edries

**ECE 271:** Dr. Mamoud Elghorab  
Dr. Hamed Elshenawy

- **Role of external evaluator:** See Appendix 2 in program specifications.

**4. Facilities and teaching materials:**

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

List any difficulties encountered: None.

**6. Student evaluation of the course:**

- **ECE 270: Student evaluates for the course is satisfactory by percentage 70%.**
- **ECE 271: Student evaluates for the course is satisfactory by percentage 82%.**

**7. Comments from external evaluator(s):**


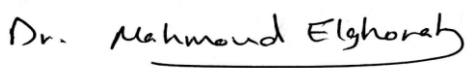


Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan: Done.**
- **Action State whether completed and give reasons for any none-completion: None.**

### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Study how to determine the medium type of electromagnetic waves(EMW)	2023-2024	Dr. Hamed Elshenawy
		Dr. Mahmoud Elghorab

Title	Name	Signature
Course coordinator	Dr. Hamed Elshenawy	
	Dr. Mahmoud Elghorab	
Program coordinator	Dr. Sahar Kamal	
Head of program	Assoc. prof. Dr. Ahmed ElMahalawy	
Date	August 2023	



## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- 1- **Title and code:** Digital Signal processing **Code:** ECE 242
- 2- **Program(s) on which this course is given:** Electronics and Communication engineering.
- 3- **Year/Level of program:** Second year, Second Semester
- 4- **Unit hours:**  
Lectures: 2 hrs.      Tutorial: 1hrs.      Practical: --hrs.      Total: 3 hrs.
- 5- **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr. Fatma ElFouly
  - **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaie  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 174
- **No. of students completing the course:** 174
- **Results:**

No. of students	State	Percentage
149	Pass	85.63%
25	Fail	14.37%
0	absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	15	31	102	25
Percentage				
1%	9%	18%	59%	14%

## C. Professional Information

### 1. Course teaching:

- please look at appendix (3) in program report
- Topics taught as a percentage of the content specified:  

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None.
- If any topics were taught which are not specified, give reasons in detail: None.

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c2.1	√		√	√		√				√		√
c2.2	√		√	√		√				√		√
c3.1	√		√	√		√						

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	Los
1	Attendance	c2.1, c2.2, c3.1
2	Reports / Sheets	c2.1, c2.2, c3.1
3	Quiz 1 / Quiz 2	c2.1, c2.2, c3.1
4	Mid-term Exam	c2.1, c2.2
5	Final Exam	c2.1, c2.2, c3.1

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 / 11
4	Mid-term Exam (online)	8
5	Final Exam	17

3.3 Weighting of Assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights(%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
Final Exam		60%	60	100%	60
Total		100%	100		100

**Members of examination committee:**

**ECE 242:** Dr. Fatma ElFouly  
Dr. Sameh Fathy

**Role of external evaluator:** appendix 2 in program specification

**4. Facilities and teaching materials:**

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

- List any difficulties encountered: None.

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage 82%.
- Response of course team: Excellent.

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.




**8. Course enhancement:**

- Working in the hybrid education system (face to face - online).
  - All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
  - The exams were helped electronically remotely (mid-term exams - quizzes - etc.), in addition. all the students' assignments and reports uploaded through the E-learning platform (Moodle).
  - Microsoft teams' program was used to broadcast lectures remotely.
- Please look appendix 6

- Progress on actions identified in the previous year's action plan: Done.
- Action State whether completed and give reasons for any none-completion: None.

### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
More details about FIR digital filters design	2023/2024	Dr. Fatma ElFouly

Title	Name	Signature
Course coordinator	Dr. Fatma ElFouly	
Program coordinator	Dr. Sahar Kamal	
Head of program	Assoc. prof. Dr. Ahmed ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1- **Title and code:** Quality Control and Quality Assurance System    **Code:** HUM 251

2- **Program(s) on which this course is given :** Electronics and Communication engineering.

3- **Year/Level of program:** Second year, first Semester

4- **Unit hours:**

Lectures: 2 hrs.      Tutorial: -- hrs.      Practical: --hrs.      Total: 2 hrs.

5- **Names of lecturers contributing to the delivery of the course**

- **Course coordinator:** Dr. Nancy Wadei
- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaie  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 168
- **No. of students completing the course:** 168
- **Results:**

No. of students	State	Percentage
158	Pass	94.05%
10	Fail	5.95%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
4	27	37	90	10
Percentage				
2%	16%	22%	54%	6%

## C. Professional Information

### 1. Course teaching:

- please look at appendix (3) in program report
- Topics taught as a percentage of the content specified:  

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None.
- If any topics were taught which are not specified, give reasons in detail: None.

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. Experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a3.1	√	√	√			√				√		
a6.2	√	√	√			√						
a9.1	√	√	√			√						

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	Los
1	Attendance	a3.1, a6.2, and a9.1
2	Reports / Sheets	a3.1, a6.2, and a9.1
3	Quiz 1 / Quiz 2	a3.1, a6.2, and a9.1
4	Mid-term Exam	a3.1, a6.2, and a9.1
5	Oral / Practical Exam	--
6	Final Exam	a3.1, a6.2, and a9.1

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 / 11
4	Mid-term Exam (online)	10
5	Final Exam	14

3.3 Weighting of Assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	20	5%	1
	Reports / Sheets			5%	1
	Quiz 1 / Quiz 2			30%	6
	Mid-term Exam			60%	12
Final Exam		60%	30	100%	30
Total		100%	50		50



**Members of examination committee:**

**HUM 251:** Dr. Nancy Wadei  
Dr. Emad Abd-Elaty

**Role of external evaluator:** appendix 2 in program specification

**4. Facilities and teaching materials:**

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

- List any difficulties encountered: None

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage 80%.

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face - online).
  - All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
  - The exams were helped electronically remotely (mid-term exams - quizzes - etc.), in addition all the students' assignments and reports uploaded through the E-learning platform (Moodle).
  - Microsoft teams program was used to broadcast lectures remotely.
- Please look appendix 6

- **Progress on actions identified in the previous year's action plan: Previous action not completed.**
- **Action State whether completed and give reasons for any none-completion: due to the shortage time.**

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Features of quality control in industries.	2023/2024	Dr. Nancy Wadei

Title	Name	Signature
Course coordinator	Dr. Nancy Wadei	N. w. Riad
Program coordinator	Dr. Sahar Kamal	Sahar kamal
Head of program	Assoc. prof. Dr. Ahmed ElMahalawy	أحمد فياض
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- 1- Title and code: Structural Programming      Code: ECE 282      1<sup>st</sup> term  
Object-Oriented Programming      Code: ECE 283      2<sup>nd</sup> term
- 2- Program(s) on which this course is given: Electronics and Communication engineering and computer and control engineering
- 3- Year/Level of program: Second year, First Semester and Second Semester
- 4- Unit hours:  
Lectures: 2 hrs.      Tutorial: --hrs.      Practical: 1hrs.      Total: 3 hrs.
- 5- Names of lecturers contributing to the delivery of the course
- Course coordinator: Dr. Fathy E. Nour
  - External evaluator: Prof. Dr. El-Sayed Mahmoud El-Rabaie  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 177
- No. of students completing the course: 177

#### Results:

No. of students	State	Percentage
148	Pass	83.62%
29	Fail	16.38%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	9	29	110	28
Percentage				
0%	5%	16%	62%	16%

## C. Professional Information

### 1. Course teaching:

- please look at appendix (3) in program report
- Topics taught as a percentage of the content specified:
  - >90 %: √
  - 70-90 %:
  - <70%:
- Reasons in detail for not teaching any topic: None.
- If any topics were taught which are not specified, give reasons in detail: None.

### 2. Teaching and learning methods:

First term (ECE 282)												
Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b3.1	√		√		√	√	√			√	√	√
b3.3	√		√		√	√	√			√	√	√

Second Term ( <i>ECE 283</i> )												
Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b2.1	✓	✓	✓		✓	✓	✓			✓	✓	✓
b3.1	✓	✓	✓		✓	✓	✓			✓	✓	✓
b3.3	✓	✓	✓		✓	✓				✓		✓

### 3. Student assessment:

1 <sup>st</sup> term (ECE 282)		
No.	Assessment Method	Los
1	Attendance	b3.1, b3.3
2	Reports / Sheets	b3.1, b3.3
3	Quiz 1 / Quiz 2	b3.1, b3.3
4	Mid-term Exam	b3.1, b3.3
5	Oral / Practical Exam to measure	b3.1, b3.3
6	Final Exam	b3.1, b3.3
2 <sup>nd</sup> term (ECE 283)		
No.	Assessment Method	Los
1	Attendance	b2.1, b3.1, b3.3
2	Reports / Sheets	b2.1, b3.1, b3.3
3	Quiz 1 / Quiz 2	b2.1, b3.1, b3.3
4	Mid-term Exam	b2.1, b3.1
5	Oral / Practical Exam to measure	b2.1, b3.1
6	Final Exam	b2.1, b3.1, b3.3

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 / 11
4	Mid-term Exam (First term) (on-line)	10
	Mid- term Exam (Second term) (on-line)	8
5	Oral / Practical Exam (First term)	13
	Oral / Practical Exam (Second term)	16
6	Final Exam (First term)	14
	Final Exam (Second term)	17

3.3 Weighting of Assessments (Grading System)					
1 <sup>st</sup> term (ECE 282)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Practical / Oral	Practical Attendance	40%	40	5%	2
	Lab. Reports/ Activities			5%	2
	Quiz 1/ Quiz 2			20%	8
	Oral / practical exam			70%	28
Final Exam		60%	60	100%	60
Total		100%	100		100
1 <sup>st</sup> term (ECE 283)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Practical / Oral	Practical Attendance	40%	40	10%	4
	Lab. Reports /Activities			10%	4
	Oral / practical exam			80%	32
Final Exam		60%	60	100%	60
Total		100%	100		100

Members of examination committee:

ECE 282: Dr. Fathy E. Nour  
Dr. Ahmed El-shafiee

ECE 283: Dr. Fathy E. Nour  
Dr. Ahmed El-shafiee

- Role of external evaluator: See Appendix 2 in program specifications.

4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

5. Administrative constraints:

List any difficulties encountered:

6. Student evaluation of the course:

- ECE 282: Student evaluates for the course is satisfactory by percentage 62%.
- ECE 283: Student evaluates for the course is satisfactory by percentage 73%.

7. Comments from external evaluator(s):

Please look to appendix 2 in program specifications.

8. Course enhancement:




Working in the hybrid education system (face to face / online).

- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- Progress on actions identified in the previous year's action plan: Done.
- Action State whether completed and give reasons for any none-completion: None.



9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Access Specifiers will be addressed for ECE282	2023- 2024	Dr. Fathy E. Nour
File input and output will be addressed for ECE283		

Title	Name	Signature
Course coordinator	Dr. Fathy E. Nour	
Program coordinator	Dr. Sahar Kamal	
Head of program	Assoc. prof. Dr. Ahmed ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Random Signals and Noise **Code:** ECE 241
2. **Program(s) on which this course is given:** Electronics and Communication engineering and computer and control engineering
3. **Year/Level of program:** Second year, Second Semester
4. **Unit hours:**  
Lectures: 2 hrs.      Tutorial: 1 hr.      Practical: --hrs.      Total: 3hrs.
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr. Anwar Helaly
  - **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaie  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 176**
- **No. of students completing the course: 176**
- **Results:**

No. of students	State	Percentage
162	Pass	92.05%
14	Fail	7.95%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	19	63	79	14
Percentage				
1%	11%	36%	45%	8%

## a. Professional Information

### 1. Course teaching:

- please look at appendix (3) in program report
- Topics taught as a percentage of the content specified:
 

>90 %:   √	70-90 %:	<70%:
------------	----------	-------
- Reasons in detail for not teaching any topic: None.
- If any topics were taught which are not specified, give reasons in detail: None.

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b2.2	√		√	√		√				√		√
b4.2	√		√	√		√				√		√

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	Los
1	Attendance	b2.2, b4.2
2	Reports / Sheets	b2.2, b4.2
3	Quiz 1 / Quiz 2	b2.2, b4.2

4	Mid-term Exam	b2.2, b4.2
5	Final Exam	b2.2, b4.2

### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 / 11
4	Mid-term Exam (online)	8
5	Final Exam	17

### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution n Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
Final Exam		60%	60	100%	60
Total		100%	100		100

### Members of examination committee:

**ECE 241:** Dr. Anwar Helaly  
Dr. Khaled Ramadan

**Role of external evaluator:** appendix 2 in program specification

**4. Facilities and teaching materials:**

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

List any difficulties encountered: None.

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage 82%.

**7. Comments from external evaluator(s):**

Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face - online).
  - All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
  - The exams were helped electronically remotely (mid-term exams - quizzes - etc.), in addition all the students' assignments and reports uploaded through the E-learning platform (Moodle).
  - Microsoft teams program was used to broadcast lectures remotely.
- Please look appendix 6

- **Progress on actions identified in the previous year's action plan: Done.**
- **Action State whether completed and give reasons for any none-completion:**  
Given the relation between two random processes at the input and output of communication systems.

### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
- Students use MATLAB codes to apply some topics of the course.	2023-2024	Dr. Anwar Helaly

Title	Name	Signature
Course coordinator	Dr. Anwar Helaly	A. M. Helaly
Program coordinator	Dr. Sahar Kamal	Sahar Kamal
Head of program	Assoc. prof. Dr. Ahmed ElMahalawy	أحمد مكي الحلاوي
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Analog Communications **Code:** ECE 244
- Program(s) on which this course is given:** Electronics and Communication engineering.
- Year/Level of program:** Second year, Second Semester
- Unit hours:**  
Lectures: 2 hrs. Tutorial: 1 hrs. Practical: 1hrs. Total: 4hrs.
- Names of lecturers contributing to the delivery of the course**
  - Course coordinator:** Dr. Walid Abdelshafy
  - External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaie  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 174**
- No. of students completing the course: 174**
- Results:**

No. of students	State	Percentage
150	Pass	86.21%
24	Fail	13.79%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	14	31	104	23
Percentage				
1%	8%	18%	60%	13%

## C. Professional Information

### 1. Course teaching:

- please look at appendix (3) in program report
- Topics taught as a percentage of the content specified:

>90 %: ✓

70-90 %:

<70%:

- Reasons in detail for not teaching any topic: None.
- If any topics were taught which are not specified, give reasons in detail: None.

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b1.2	✓		✓	✓		✓				✓		
b4.1	✓		✓		✓					✓		✓
b4.2	✓		✓	✓	✓	✓			✓	✓		✓



### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	Los
1	Attendance	b1.2, b4.1
2	Reports / Sheets	b1.2, b4.1, b4.2
3	Quiz 1 / Quiz 2	b1.2, b4.1
4	Mid-term Exam	b1.2, b4.1
5	Oral / Practical Exam	b1.2, b4.1, b4.2
6	Final Exam	b1.2, b4.1

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 / 11
4	Mid-term Exam	8
5	Oral/practical Exam	16
6	Final Exam	17

3.3 Weighting of Assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	20%	30	-	-
	Reports / Sheets			-	-
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance	20%	30	10%	3
	Lab. Reports/ Activities			10%	3
	Final oral / practical exam			80%	24
Final Exam		60%	90	100%	90
Total		100%	150	100%	150

**Members of examination committee:**

**ECE 244:** Dr. Walid Abdelshafy  
Dr. Anwar Helaly

**Role of external evaluator:** appendix 2 in program specification

**4. Facilities and teaching materials:**

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

List any difficulties encountered: None.

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage 83%.

**7. Comments from external evaluator(s):**

Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face - online).
  - All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
  - The exams were helped electronically remotely (mid-term exams - quizzes - etc.), in addition all the students 'assignments and reports uploaded through the E-learning platform (Moodle).
  - Microsoft teams program was used to broadcast lectures remotely.
- Please look appendix 6

- **Progress on actions identified in the previous year's action plan: Done.**
- **Action State whether completed and give reasons for any none-completion: None.**

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Study more details about Analog Communication Systems.	2022/2023	Dr. Walid Abdelshafy

Title	Name	Signature
Course coordinator	Dr. Walid Abdelshafy	Walid Abd-Elshafi
Program coordinator	Dr. Sahar Kamal	Sahar Kamal
Head of program	Assoc. prof. Dr. Ahmed ElMahalawy	أحمد مالحاوي
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Electrical Machine **Code:** EPM 249
2. **Program(s) on which this course is given:** Electronics and Communication engineering.
3. **Year/Level of program:** Second year, Second Semester
4. **Unit hours:**  
Lectures: 2 hrs.    Tutorial: 1 hrs.    Practical: --hrs.    Total: 3hrs.
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr. Ahmed Hussain
  - **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaie  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 166
- **No. of students completing the course:** 166
- **Results:**

No. of students	State	Percentage
143	Pass	86.14%
23	Fail	13.86%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	4	15	124	23
Percentage				
0%	2%	9%	75%	14%

## C. Professional Information

### 1. Course teaching:

- please look at appendix (3) in program report
- Topics taught as a percentage of the content specified:

>90 %: √

70-90 %:

<70%:

- Reasons in detail for not teaching any topic: None.
- If any topics were taught which are not specified, give reasons in detail: None.

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b1.1	√	√	√	√		√	√					
b1.2	√	√	√	√		√						
b2.2	√	√	√	√		√	√					
b3.1	√	√	√	√		√	√			√		
b4.1	√	√	√	√		√				√		

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	Los
1	Attendance	-----
2	Reports / Sheets	b1.1, b1.2, b3.1, b4.1
3	Quiz 1 / Quiz 2	b1.1, b1.2, b3.1, b4.1
4	Mid-term Exam (online)	b1.1, b1.2, b3.1
5	Final Exam	b1.1, b1.2, b3.1, b4.1

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 / 11
4	Mid-term Exam (online)	8
5	Final Exam	17

3.3 Weighting of Assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	40	5%	2
	Reports / Sheets			15%	6
	Quiz 1 / Quiz 2			40%	16
	Mid-term Exam			40%	16
Final Exam		60%	60	100%	60
Total		100%	100	100%	100

#### Members of examination committee:

**EPM 249:** Dr. Ahmed Hussain

Dr. Shazly Nasser

**Role of external evaluator:** appendix 2 in program specification

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**D. Facilities and teaching materials:**

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**E. Administrative constraints:**

- List any difficulties encountered: None.

**F. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage 85%.

**G. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**H. Course enhancement:**

- Working in the hybrid education system (face to face - online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were helped electronically remotely (mid-term exams - quizzes - etc.), in addition all the students 'assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams program was used to broadcast lectures remotely.  
Please look appendix 6

- **Progress on actions identified in the previous year's action plan:** None.
- **Action State whether completed and give reasons for any none-completion:** None.

**I. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
None	2023/2024	Dr. Ahmed Hussain

Title	Name	Signature
Course coordinator	Dr. Ahmed Hussein	Dr. Ahmed Hussein
Program coordinator	Dr. Sahar Kamal	Sahar Kamal
Head of program	Assoc. prof. Dr. Ahmed ElMahalawy	أحمد مالحاوي
Date	August 2023	



## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Digital Communication , CCE 345      1<sup>st</sup> term
2. **Program(s) on which this course is given:** Computer and Control Engineering
3. **Year/Level of program:** Third year / 1<sup>st</sup> Semester
4. **Unit hours:**  
Lectures: 2 hrs.      Tutorial: 2 hrs.      Practical: 1 hrs.      Total: 5 hrs.      1st term
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr. Mohamed Abdelhamid  
Dr. Emad Abd-Elaty
  - **External evaluator:** Prof. Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 60
- **No. of students completing the course:** 59
- **Results:**

No. of students	State	Percentage
49	Pass	83.05%
10	Fail	14.95%
1	Absence	2%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	0	12	37	10

Percentage				
0%	0%	20%	63%	17%

## C. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b2.1	√	√	√	√		√	√	√		√	√	√
b2.2	√			√				√		√	√	√
b4.1			√		√			√		√	√	

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	b2.1, b4.1, b2.2
2	Reports / Sheets	b2.1, b4.1, b2.2
3	Quiz 1 / Quiz 2	b2.1, b4.1, b2.2
4	Mid-term Exam	b2.1, b4.1, b2.2
5	Oral / Practical Exam	b2.1, b4.1, b2.2
6	Final Exam	b2.1, b4.1, b2.2

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (on-line)	10
5	Oral / Practical Exam	13
6	Final Exam	14

3.3 Weighting of assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	20%	30	40%	--
	Reports / Sheets				--
	Quiz 1 / Quiz 2			60%	12
	Mid-term Exam				18
<b>Practical / Oral</b>	Practical Attendance	20%	30	10%	3
	Lab. Reports / Activities			10%	3
	Final oral / practical exam			80%	24
Final Exam		60%	90	100%	90
Total		100%	150	100%	150

#### Members of examination committee:

Dr. Mohamed Abdelhamid

Dr. Emad Abd-Elaty

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of **First Term:80%**

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.




**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

- **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019
- **Action State whether completed and give reasons for any none-completion:** none

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Time Division Multiplexing	2023-2024	Dr. Emad Abd-Elaty

Title	Name	Signature
Course coordinator	Dr.. Emad Abd-Elaty	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** analog Automatic Control, CCE 384 1<sup>st</sup> term  
Digital control, CCE 385 2<sup>nd</sup> term
2. **Program(s) on which this course is given:** Computer and Control Engineering
3. **Year/Level of program:** Third year / 1<sup>st</sup> and 2<sup>nd</sup> Semester
4. **Unit hours:**  
Lectures: 2 hrs. Tutorial: 1 hrs. Practical: --hrs. Total: 3hrs. 1<sup>st</sup> term  
Lectures: 2 hrs. Tutorial: 1hrs. Practical: --hrs. Total: 3hrs. 2<sup>st</sup> term
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr. Mohsen Saleh  
Dr. Bassam Wasfi
  - **External evaluator:** Prof. Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 61
- No. of students completing the course: 60
- **Results:**

No. of students	State	Percentage
58	Pass	96.67%
2	Fail	1.33%
1	Absence	2%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	3	25	29	2

Percentage				
2%	5%	42%	48%	4%

## B. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  

>90 %:
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

CCE 384

1<sup>st</sup> term

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c3.1	√	√		√		√				√		√
c3.2	√		√	√		√	√			√		

Digital control, CCE 385

2<sup>nd</sup> term

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c3.1	√	√		√		√				√		√
c3.2	√		√	√		√	√		√	√	√	√

3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	c3.1, c3.2
2	Reports / Sheets	c3.1, c3.2
3	Quiz 1 / Quiz 2	c3.1, c3.2
4	Mid-term Exam	c3.1, c3.2
5	Oral / Practical Exam	----
6	Final Exam	c3.1, c3.2



### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (first term)- (on-line)	10
	Mid-term Exam (second term)- (on-line)	8
6	Final Exam (first term)	14
	Final Exam (second term)	17

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
<b>Practical / Oral</b>	Practical Attendance	--	--	--	--
	Lab. Reports / Activities			--	--
	Final oral / practical exam			--	--
Final Exam		60%	60	100%	60
Total		100%	100	100%	100

#### Members of examination committee:

Dr. Mohsen Saleh

Dr. Bassam Wasfi

- **Role of external evaluator:** See Appendix 2 in program specifications.

**4. Facilities and teaching materials:**

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

- List any difficulties encountered: None

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of

**First Term :75%      Second Term : 84%**

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019
- **Action State whether completed and give reasons for any none-completion:** none

9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
PLC and Industrial Applications	2023-2024	Dr.Bassam Wasfi

Title	Name	Signature
Course coordinator	Dr.Bassam Wasfi	<i>Bassam.W.AboShasha</i>
Program coordinator	Dr. Sahar kamal	<i>Sahar kamal</i>
Head of program	Prof. Dr. Salah El-Agoz	<i>S.Elagoz</i>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

6. **Title and code:** Computer Architecture (1) , CCE 330 1<sup>st</sup> term  
Computer Architecture (2), CCE 331 2<sup>nd</sup> term
7. **Program(s) on which this course is given:** Computer and Control Engineering
8. **Year/Level of program:** Third year / 1<sup>st</sup> , 2<sup>nd</sup> Semester
9. **Unit hours:**  
Lectures: 2 hrs. Tutorial: 1 hrs. Practical: -- hrs. Total: 3 hrs. 1<sup>st</sup> term  
Lectures: 2 hrs. Tutorial: 1 hrs. Practical: -- hrs. Total: 3 hrs. 2<sup>nd</sup> term
10. **Names of lecturers contributing to the delivery of the course**  
- **Course coordinator:** Dr. Ahmed El-Shafei  
- **External evaluator:** Prof.Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 61  
-No. of students completing the course: 60  
- **Results:**

No. of students	State	Percentage
58	Pass	96.67%
2	Fail	1.33%
1	Absence	2%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
2	9	33	14	2

Percentage				
3%	15%	55%	23%	4%

## CI. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %:	70-90 %:	<70%:
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- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.1	√	√	√	√			√	√	√	√	√	
c1.2	√	√	√	√		√	√	√	√	√	√	√

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	c1.1, c1.2
2	Reports / Sheets	c1.1, c1.2
3	Quiz 1 / Quiz 2	c1.1, c1.2
4	Mid-term Exam	c1.1, c1.2
5	Oral / Practical Exam	-----
6	Final Exam	c1.1, c1.2

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam (first term) - (on-line)	10
	Mid-term Exam (second term)- (on-line)	8
6	Final Exam (first term)	14
	Final Exam (second term)	17

3.3 Weighting of assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
Final Exam		60%	60	100%	60
Total		100%	100	100%	100

#### Members of examination committee:

CCE 330 1<sup>st</sup> term

Dr. Ahmed El-Shafei

Assoc.prof. Ahmed ElMahalawy

CCE 331 2<sup>nd</sup> term

Dr. Ahmed El-Shafei

Dr.Fathy Nour

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of  
First Term : 76% Second Term: 84%

#### 7. Comments from external evaluator(s):


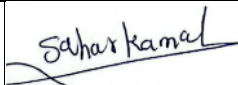

- Please look to appendix 2 in program specifications.

#### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).

- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
  - Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
  - Microsoft teams' program was used to broadcast lectures remotely.
  - **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019
  - **Action State whether completed and give reasons for any none-completion:** None
- 9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Research on new trends	2023-2024	Dr. Ahmed El-Shafei

Title	Name	Signature
Course coordinator	Dr. Ahmed El-Shafei	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	



## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Data Structure, CCE 332 1<sup>st</sup> term
- Program(s) on which this course is given:** Computer and Control Engineering
- Year/Level of program:** Third year / 1<sup>st</sup> Semester
- Unit hours:**

Lectures: 2 hrs. Tutorial: 1 hrs. Practical: -- hrs. Total: 3 hrs. 1st term

- Names of lecturers contributing to the delivery of the course**

- Course coordinator:** Dr. Ahmed El-Shafei
- External evaluator:** Prof. Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 60
- No. of students completing the course: 59
- **Results:**

No. of students	State	Percentage
47	Pass	79.66%
12	Fail	18.34%
1	Absence	2%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	7	12	28	8

Percentage				
0%	12%	20%	47%	14%

## C. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %:	70-90 %:	<70%:
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- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.1	√	√	√	√			√	√	√	√	√	
c1.2	√	√	√	√	√		√	√	√	√	√	√

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	c1.1, c1.2
2	Reports / Sheets	c1.1, c1.2
3	Quiz 1 / Quiz 2	c1.1, c1.2
4	Mid-term Exam	c1.1, c1.2
5	Oral / Practical Exam	-----
6	Final Exam	c1.1, c1.2

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam- (on-line)	10
6	Final Exam	14

3.3 Weighting of assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
<b>Practical / Oral</b>	Practical Attendance	--	--	--	--
	Lab. Reports / Activities			--	--
	Final oral / practical exam			--	--
Final Exam		60%	60	100%	60
Total		100%	100	100%	100

#### Members of examination committee:

Dr. Ahmed El-Shafei

Assoc.prof. Ahmed ElMahalawy

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of **First Term: 77%**

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

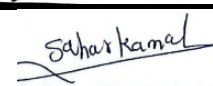
- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

- **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019.

- **Action State whether completed and give reasons for any none-completion:** none

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
None	2023-2024	Dr. Ahmed El-Shafei

Title	Name	Signature
Course coordinator	Dr. Ahmed El-Shafei	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

**11. Title and code:** Specialized Course (1) Embedded System , CCE '٢٠٢٣' 1<sup>st</sup> term

**12. Program(s) on which this course is given:** Computer and Control Engineering

**13. Year/Level of program:** Third year / 1<sup>st</sup> Semester

**14. Unit hours:**

Lectures: 2 hrs. Tutorial: 1 hrs. Practical: -- hrs. Total: 3 hrs. 1<sup>st</sup> term

**15. Names of lecturers contributing to the delivery of the course**

- **Course coordinator:** Dr. Sahar Kamal
- **External evaluator:** Prof.Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 60
- **No. of students completing the course:** 59
- **Results:**

No. of students	State	Percentage
44	Pass	93.22%
5	Fail	4.78%
1	Absence	2%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	2	13	40	4

Percentage				
0%	3%	22%	68%	7%

## C. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
  - >90 %: √
  - 70-90 %:
  - <70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c3.1	√		√	√								
C3.2							√	√		√		√

### 3. Student assessment:

#### 3.1 Students' assessment method

No.	Assessment Method	LOs
1	Attendance	c3.1, c3.2
2	Reports / Sheets	c3.1, c3.2
3	Quiz 1 / Quiz 2	c3.1, c3.2
4	Mid-term Exam	c3.1, c3.2
5	Oral / Practical Exam	-----
6	Final Exam	c3.1, c3.2

#### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 10
4	Mid-term Exam- (on-line)	10
6	Final Exam	14



3.3 Weighting of assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
<b>Practical / Oral</b>	Practical Attendance	--	--	--	--
	Lab. Reports / Activities			--	--
	Final oral / practical exam			--	--
Final Exam		60%	60	100%	60
Total		100%	100	100%	100

#### Members of examination committee:

Dr.Sahar Kamal

Dr. Ahmed El-Shafei

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

List any difficulties encountered: None

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of First Term : 80%

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

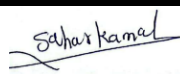

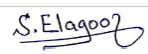
- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

**Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019

**Action State whether completed and give reasons for any none-completion:** none

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Add new topic of embedded system (AVR USART)	2023-2024	Dr. Sahar Kamal

Title	Name	Signature
Course coordinator	Dr. Sahar Kamal	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Electrical Power Engineering , EPM 339 1<sup>st</sup> term
2. **Program(s) on which this course is given:** Computer and Control Engineering
3. **Year/Level of program:** Third year / 1<sup>st</sup> Semester
4. **Unit hours:**

Lectures: 2 hrs. Tutorial: 1 hrs. Practical: -- hrs. Total: 3 hrs. 1st term

5. **Names of lecturers contributing to the delivery of the course**

- **Course coordinator:** Dr/Rami Adel  
Dr/loay mohammed
- **External evaluator:** Prof.Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 60
- No. of students completing the course: 59
- **Results:**

No. of students	State	Percentage
49	Pass	83.05%
10	Fail	14.95%
1	Absence	2%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	5	17	26	10

Percentage				
2%	8%	29%	44%	17%

## C. Professional Information

### 4. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  

>90 %:
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 5. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b1.1	√	√	√	√		√				√		
b1.2	√	√	√	√								
b2.1	√	√	√	√		√				√		
b2.2	√	√	√	√		√				√		
b3.3	√	√	√	√								

## 6. Student assessment:

### 3.1 Students' assessment method

No.	Assessment Method	LOs
1	Attendance	b1.1, b1.2,b2.2,b3.3
2	Reports / Sheets	b1.1, b1.2,b2.2,b3.3
3	Quiz 1 / Quiz 2	b1.1, b1.2,b3.3
4	Mid-term Exam	b1.1, b1.2,b2.2,b3.3
5	Oral / Practical Exam	-----
6	Final Exam	b1.1, b1.2,b2.2,b3.3

### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam - (on-line)	10
6	Final Exam	14

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
<b>Practical / Oral</b>	Practical Attendance	--	--	--	--
	Lab. Reports / Activities			--	--
	Final oral / practical exam			--	--
Final Exam		60%	60	100%	60
Total		100%	100	100%	100

#### Members of examination committee:

Dr/Rami Adel

Dr/loay mohammed

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of First Term :83%

## 7. Comments from external evaluator(s):


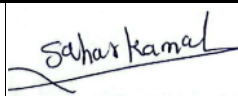

- Please look to appendix 2 in program specifications.

## 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019
- **Action State whether completed and give reasons for any none-completion:** none

## 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
None	2023-2024	Dr/Rami Adel Dr/loay mohammed

Title	Name	Signature
Course coordinator	Dr/Rami Adel Dr/loay mohammed	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Legislation and Contracts, HUM 352 1<sup>st</sup> term
- Program(s) on which this course is given:** Computer and Control Engineering
- Year/Level of program:** Third year / 1<sup>st</sup> Semester
- Unit hours:**

Lectures: 1 hrs. Tutorial: 1 hrs. Practical: -- hrs. Total: 2 hrs. 1<sup>st</sup> term

- Names of lecturers contributing to the delivery of the course**

- Course coordinator:** Dr. Sahar Kamal
- External evaluator:** Prof. Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 58
- No. of students completing the course: 57
- **Results:**

No. of students	State	Percentage
55	Pass	96.49%
2	Fail	1.51%
1	Absence	2%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	6	18	30	2

Percentage				
2%	11%	32%	53%	4%



## C. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  

>90 %:√
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a6.1	√	√	√	√		√				√		
a6.2	√	√	√	√		√				√		

### 3. Student assessment:

#### 3.1 Students' assessment method

No.	Assessment Method	LOs
1	Attendance	a6.1,a6.2
2	Reports / Sheets	a6.1,a6.2
3	Quiz 1 / Quiz 2	a6.1,a6.2
4	Mid-term Exam	a6.1,a6.2
5	Oral / Practical Exam	-----
6	Final Exam	a6.1,a6.2

#### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 10
4	Mid-term Exam - (on-line)	10
5	Oral / Practical Exam	-----
6	Final Exam	14

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	40%	20	5%	1
	Reports / Sheets			5%	1
	Quiz 1 / Quiz 2			30%	6
	Mid-term Exam			60%	12
<b>Practical / Oral</b>	Practical Attendance	--	--	--	--
	Lab. Reports / Activities			--	--
	Final oral / practical exam			--	--
Final Exam		60%	30	100%	30
Total		100%	50	100%	50

#### Members of examination committee:

Dr. Sahar Kamal

Dr. Emad Abd-Elaty

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of First Term: 79%

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

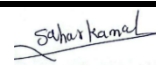
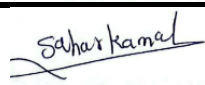

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

- **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019
- **Action State whether completed and give reasons for any none-completion:** none.

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
إضافة قانون الأمن السيبراني	2023-2024	Dr. Sahar Kamal

Title	Name	Signature
Course coordinator	Dr. Sahar Kamal	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Field Training (1), CCE 39X      1<sup>st</sup> term
2. **Program(s) on which this course is given:** Computer and Control Engineering
3. **Year/Level of program:** Third year / 1<sup>st</sup> Semester
4. **Unit hours:**  
Lectures: -- hrs.      Tutorial: -- hrs.      Practical: 2 hrs.      Total: 2 hrs.      1st term
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr. Sahar Kamal
  - **External evaluator:** Prof.Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 60
- **No. of students completing the course:** 60
- **Results:**

No. of students	State	Percentage
60	Pass	100%
0	Fail	0%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
32	14	10	4	0

Percentage				
53%	23%	17%	7%	0%

## CI. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
  - >90 %: √
  - 70-90 %:
  - <70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c2.1	√	√	√	√	√	√		√		√		
c2.2	√	√	√	√	√	√	√	√	√	√	√	
c3.1	√	√	√	√	√	√	√	√	√	√	√	
c3.2	√	√	√	√	√	√	√	√	√	√	√	
c4.1	√	√	√	√	√	√		√		√		

### 3. Student assessment:

#### 3.1 Students' assessment method

No.	Assessment Method	LOs
1	Interest in work	c2.1, c2.2, c3.1, c3.2,4.1
2	Attitude towards delivering accurate work	c2.1, c2.2, c3.1, c3.2,4.1
3	Quality of work output	c2.1, c2.2, c3.1, c3.2,4.1
4	Initiative in taking tasks to complete	c2.1, c2.2, c3.1, c3.2,4.1
5	Dependability and reliability	c2.1, c2.2, c3.1, c3.2,4.1
6	Ability to learn and search for information	c2.1, c2.2, c3.1, c3.2,4.1
7	Judgment and decision making	c2.1, c2.2, c3.1, c3.2,4.1
8	Maintaining effective relations with co-works	c2.1, c2.2, c3.1, c3.2,4.1
9	Ability of reporting and presenting his work	c2.1, c2.2, c3.1, c3.2,4.1
10	Attendance	c2.1, c2.2, c3.1, c3.2,4.1
11	Punctuality	c2.1, c2.2, c3.1, c3.2,4.1
12	Final exam	c2.1, c2.2, c3.1, c3.2,4.1

#### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Interest in work	Per-day
2	Attitude towards delivering accurate work	Per-day
3	Quality of work output	Per-day
4	Initiative in taking tasks to complete	Per-day
5	Dependability and reliability	Per-day
6	Ability to learn and search for information	Per-day
7	Judgment and decision making	Per-day
8	Maintaining effective relations with co-works	Per-day
9	Ability of reporting and presenting his work	Per-day
10	Attendance	Per-day
11	Punctuality	Per-day

3.3 Weighting of assessments (Grading System)			
External Trainer	Interest in work	4%	2
	Attitude towards delivering accurate work	4%	2
	Quality of work output	4%	2
	Initiative in taking tasks to complete	4%	2
	Dependability and reliability	4%	2
	Ability to learn and search for information	4%	2
	Judgment and decision making	4%	2
	Maintaining effective relations with co-works	4%	2
	Ability of reporting and presenting his work	4%	2
	Attendance	10%	5
	Punctuality	4%	2
	Final exam	50%	25
Department supervisors	Final Exam	50%	25
Total		100%	50

Members of examination committee: ----



- **Role of external evaluator:** See Appendix 2 in program specifications.

**4. Facilities and teaching materials:**

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

- List any difficulties encountered: None

**6. Student evaluation of the course:**

- **Student evaluates for the course is satisfactory by percentage of First Term -**

**7. Comments from external evaluator(s):**




- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019
- **Action State whether completed and give reasons for any none-completion:** None

## 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
IOT And Industrial control systems	2023-2024	Dr. Sahar Kamal

Title	Name	Signature
Course coordinator	Dr. Sahar kamal	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Electromagnetic Waves (2), CCE 372 2<sup>nd</sup> term
- Program(s) on which this course is given:** Computer and Control Engineering
- Year/Level of program:** Third year / 2<sup>nd</sup> Semester
- Unit hours:**

Lectures: 2 hrs. Tutorial: 1 hrs. Practical: 1 hrs. Total: 4 hrs. 2<sup>nd</sup> term

- Names of lecturers contributing to the delivery of the course**

- Course coordinator:** Dr. Hamed EL-Shennawy
- External evaluator:** Prof. Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 59
- No. of students completing the course: 59
- **Results:**

No. of students	State	Percentage
55	Pass	93.22%
4	Fail	6.78%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
2	10	18	25	4

Percentage				
3%	17%	31%	42%	7%

## C. Professional Information

### 1. Course teaching:

- Second Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  

>90 %:√
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b1.1	√		√	√	√	√				√	√	
b1.2	√		√	√	√	√				√		
b2.1	√		√	√	√	√	√			√	√	

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	b1.1,b1.2 and b2.1
2	Reports / Sheets	b1.1,b1.2 and b2.1
3	Quiz 1 / Quiz 2	b1.1,b1.2 and b2.1
4	Mid-term Exam	b1.1,b1.2 and b2.1
5	Oral / Practical Exam	b1.1,b1.2 and b2.1
6	Final Exam	b1.1,b1.2 and b2.1

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam- (on-line)	8
5	Oral / Practical Exam	16
6	Final Exam	17

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	20%	30		--
	Reports / Sheets			40%	--
	Quiz 1 / Quiz 2				12
	Mid-term Exam			60%	18
<b>Practical / Oral</b>	Practical Attendance	20%	30	10%	3
	Lab. Reports / Activities			10%	3
	Final oral / practical exam			80%	24
Final Exam		60%	90	100%	90
Total		100%	150	100%	150

#### Members of examination committee:

Dr. Hamed EL-Shennawy

Dr. Mahmoud Ghorab

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:

- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of Second Term :82%

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

- **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019
- **Action State whether completed and give reasons for any none-completion:** none

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Adding topic about optical under water communication	2023-2024	Dr. Hamed EL-Shennawy

Title	Name	Signature
Course coordinator	Dr. Hamed EL-Shennawy	<i>Hamed el-shennawy</i>
Program coordinator	Dr. Sahar kamal	<i>Sahar kamal</i>
Head of program	Prof. Dr. Salah El-Agoz	<i>S. Elagoz</i>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Computer Aided Circuits Design , CCE 324 2<sup>nd</sup> term
- Program(s) on which this course is given:** Computer and Control Engineering
- Year/Level of program:** Third year / 2<sup>nd</sup> Semester
- Unit hours:**

Lectures: 1 hrs. Tutorial: 1 hrs. Practical: 2 hrs. Total: 4 hrs. 2<sup>nd</sup> term

- Names of lecturers contributing to the delivery of the course**

- Course coordinator:** Dr. Fatma Hanafy Elfoly
- External evaluator:** Prof.Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 59
- No. of students completing the course: 59
- **Results:**

No. of students	State	Percentage
50	Pass	84.75%
9	Fail	15.25%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	7	10	32	9

Percentage				
2%	12%	17%	54%	15%



## CI. Professional Information

### 1. Course teaching:

- Second Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c3.1	√	√	√	√								
c3.2	√	√	√	√	√	√	√	√		√		√

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	c3.1, c3.2
2	Reports / Sheets	c3.1, c3.2
3	Quiz 1 / Quiz 2	c3.1, c3.2
4	Mid-term Exam	c3.1, c3.2
5	Oral / Practical Exam	c3.1, c3.2
6	Final Exam	c3.1, c3.2

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam- (on-line)	8
5	Oral / Practical Exam	16
6	Final Exam	17

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	20%	20	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	8
	Mid-term Exam			60%	12
<b>Practical / Oral</b>	Practical Attendance	20%	20	10%	2
	Lab. Reports / Activities			10%	2
	Final oral / practical exam			80%	16
Final Exam		60%	60	100%	60
Total		100%	100	100%	100

#### Members of examination committee:

Dr. Fatma Hanafy Elfoly

Dr. Nabil Abd Rabou

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of Second Term: 81%

**7. Comments from external evaluator(s):**


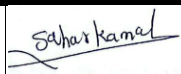

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019
- **Action State whether completed and give reasons for any none-completion:** none

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Design and implementation of some practical projects on FPGA kits	2023-2024	Dr. Fatma Hanafy Elfoly

Title	Name	Signature
Course coordinator	Dr. Fatma Hanafy Elfoly	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agooz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Data Base, CCE 333 2<sup>nd</sup> term
- Program(s) on which this course is given:** Computer and Control Engineering
- Year/Level of program:** Third year / 2<sup>nd</sup> Semester
- Unit hours:**

Lectures: 2 hrs. Tutorial: 1 hrs. Practical: 2 hrs. Total: 5 hrs. 2<sup>nd</sup> term

- Names of lecturers contributing to the delivery of the course**

- Course coordinator:** Dr. Ahmed El-Shafei
- External evaluator:** Prof. Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 59
- No. of students completing the course: 59
- **Results:**

No. of students	State	Percentage
56	Pass	94.92%
3	Fail	5.08%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
4	17	21	14	1

Percentage				
7%	29%	36%	24%	2%

## C. Professional Information

### 1. Course teaching:

- Second Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  

>90 %:
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
C1.2	√	√	√	√	√			√		√	√	√
C2.1	√	√	√	√	√		√	√		√	√	√

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	c1.2, c2.1
2	Reports / Sheets	c1.2, c2.1
3	Quiz 1 / Quiz 2	c1.2, c2.1
4	Mid-term Exam	c1.2, c2.1
5	Oral / Practical Exam	c1.2, c2.1
6	Final Exam	c1.2, c2.1

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam- (on-line)	8
5	Oral / Practical Exam	16
6	Final Exam	17

3.3 Weighting of assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	20%	30	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
<b>Practical / Oral</b>	Practical Attendance	20%	30	10%	3
	Lab. Reports / Activities			10%	3
	Final oral / practical exam			80%	24
Final Exam		60%	90	100%	90
Total		100%	150	100%	150

#### Members of examination committee:

Dr. Ahmed El-Shafei

Dr. Assoc.prof. Ahmed ElMahalawy

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:



#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of Second Term: 84%

#### 7. Comments from external evaluator(s):

- Please look to appendix 2 in program specifications.

#### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019
- **Action State whether completed and give reasons for any none-completion:** none

#### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Idea about Query processing	2023-2024	Dr. Ahmed El-Shafei

Title	Name	Signature
Course coordinator	Dr. Ahmed El-Shafei	<i>Ahmed El-Shafei</i>
Program coordinator	Dr. Sahar kamal	<i>Sahar kamal</i>
Head of program	Prof. Dr. Salah El-Agoz	<i>S. Elagoz</i>
Date	August 2023	

## Annual Course Report

(Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Selective Course (2) (Compilers) , CCE 389 2<sup>nd</sup> term
2. **Program(s) on which this course is given:** Computer and Control Engineering
3. **Year/Level of program:** Third year / 2<sup>nd</sup> Semester
4. **Unit hours:**

Lectures: 2 hrs. Tutorial: 1 hrs. Practical: -- hrs. Total: 3 hrs. 2<sup>nd</sup> term

5. **Names of lecturers contributing to the delivery of the course**

- **Course coordinator:** Dr. Sahar Kamal
- **External evaluator:** Prof.Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 59
- No. of students completing the course: 59
- **Results:**

No. of students	State	Percentage
57	Pass	96.61%
2	Fail	3.39%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	9	20	27	2

Percentage				
2%	15%	34%	36%	4%

## C. Professional Information

### 1. Course teaching:

- Second Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  

>90 %:√
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
C1.1	√	√	√	√						√		
C1.2	√	√	√	√			√	√		√	√	√

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	c1.1, c1.2
2	Reports / Sheets	c1.1, c1.2
3	Quiz 1 / Quiz 2	c1.1, c1.2
4	Mid-term Exam	c1.1, c1.2
5	Oral / Practical Exam	-----
6	Final Exam	c1.1, c1.2

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam- (on-line)	8
6	Final Exam	17

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
<b>Practical / Oral</b>	Practical Attendance	--	--	--	--
	Lab. Reports / Activities			--	--
	Final oral / practical exam			--	--
Final Exam		60%	60	100%	60
Total		100%	100	100%	100

#### Members of examination committee:

Dr. Sahar Kamal

Dr. Ahmed El-Shafei

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None
-

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of Second Term:83%

**7. Comments from external evaluator(s):**

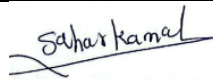
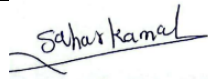
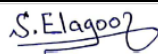
- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019
- **Action State whether completed and give reasons for any none-completion:**none

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Add a new topic in compiler design ( Code generation)	2023-2024	Dr. Sahar Kamal

Title	Name	Signature
Course coordinator	Dr. Sahar Kamal	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- Title and code:** Humanities Selective course (Engineering Economy), HUM 351 2<sup>nd</sup> term
- Program(s) on which this course is given:** Computer and Control Engineering
- Year/Level of program:** Third year / 2<sup>nd</sup> Semester
- Unit hours:**

Lectures: 2 hrs. Tutorial: 2 hrs. Practical: -- hrs. Total: 4 hrs. 2<sup>nd</sup> term

- Names of lecturers contributing to the delivery of the course**

- Course coordinator:** Dr. Khalil Elkhamsy
- External evaluator:** Prof. Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 59
- No. of students completing the course: 59
- **Results:**

No. of students	State	Percentage
58	Pass	98.31%
1	Fail	1.69%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
14	17	16	11	1

Percentage				
24%	29%	27%	19%	2%

## C. Professional Information

### 1. Course teaching:

- Second Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a1.1	√	√	√	√		√						
a1.2	√	√	√	√		√				√		
a2.2	√	√	√	√		√	√			√		
a3.1	√	√	√	√		√						



### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	a1.1, a1.2,a2.2,a3.1
2	Reports / Sheets	a1.1, a1.2,a2.2,a3.1
3	Quiz 1 / Quiz 2	a1.1, a1.2,a2.2,a3.1
4	Mid-term Exam- (on-line)	a1.1, a1.2,a2.2,a3.1
5	Oral / Practical Exam	-----
6	Final Exam	a1.1, a1.2,a2.2,a3.1

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam	8
6	Final Exam	17

3.3 Weighting of assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	40%	20	5%	1
	Reports / Sheets			5%	1
	Quiz 1 / Quiz 2			30%	6
	Mid-term Exam			60%	12
<b>Practical / Oral</b>	Practical Attendance	--	--	--	--
	Lab. Reports / Activities			--	--
	Final oral / practical exam			--	--
Final Exam		60%	30	100%	30
Total		100%	50	100%	50

#### Members of examination committee:

Dr. Khalil Elkhamisy

Dr. Bassam Wasfi

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of Second Term:81%

#### 7. Comments from external evaluator(s):

- Please look to appendix 2 in program specifications.

#### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
  - All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
  - Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
  - Microsoft teams' program was used to broadcast lectures remotely.
  - **Progress on actions identified in the previous year's action plan:** The first year of applying regulation 2019
  - **Action State whether completed and give reasons for any none-completion:** none
- #### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Assign students to present topic related to the content	2023-2024	Dr. Khalil Elkhamisy

Title	Name	Signature	Team:
Course coordinator	Dr. Khalil Elkhamisy		
Program coordinator	Dr. Sahar kamal		
Head of program	Prof. Dr. Salah El-Agoz		
Date	August 2023		

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Communications (1), CCE 351 1<sup>st</sup> term  
Communications (2), CCE 352 2<sup>nd</sup> term
2. **Program(s) on which this course is given:** Computer and Control Engineering
3. **Year/Level of program:** Third year / 1<sup>st</sup> and 2<sup>nd</sup> Semester
4. **Unit hours:**  
Lectures: 2 hrs. Tutorial: -- hrs. Practical: 2 hrs. Total: 4 hrs. 1<sup>st</sup> term  
Lectures: 2 hrs. Tutorial: -- hrs. Practical: 2 hrs. Total: 4 hrs. 2<sup>st</sup> term
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:**  
Communications (1), CCE 351 1<sup>st</sup> term  
Dr. Mohamed Abdelhamed  
Dr. Sameh Fathy  
Communications (2), CCE 352 2<sup>nd</sup> term  
Dr. Mohamed Abdelhamed  
Dr. Emad Abd-Elaty
  - **External evaluator:** Prof.Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 30
- No. of students completing the course: 29
- **Results:**

No. of students	State	Percentage
27	Pass	93.10%
2	Fail	6.9%
1	Absence	3%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	0	6	21	2
Percentage				
0%	0%	21%	72%	6%

## C. Professional Information

### 1. Course teaching:

- **First Term.**
- **See Appendix 3.**
- **Topics taught as a percentage of the content specified:**
  - >90 %: √
  - 70-90 %:
  - <70%:
- **Reasons in detail for not teaching any topic:**
- **If any topics were taught which are not specified, give reasons in detail:**

## 2. Teaching and learning methods:

Communications (1), CCE 351

1<sup>st</sup> term

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b1.1	√		√		√	√	√			√		
b4.1	√		√		√	√	√			√		√

Communications (2), CCE 352

2<sup>nd</sup> term

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b1.1	√		√		√	√	√			√		√
b4.1	√		√		√					√		

### 3. Student assessment:

#### 3.1 Students' assessment method

No.	Assessment Method	LOs
1	Attendance	b1.1, b4.1
2	Reports / Sheets	b1.1, b4.1
3	Quiz 1 / Quiz 2	b1.1, b4.1
4	Mid-term Exam	b1.1, b4.1
5	Oral / Practical Exam	b1.1, b4.1
6	Final Exam	b1.1, b4.1

#### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam - (on-line)	10/ 8
5	Oral / Practical Exam	13 / 16
6	Final Exam	14/17

3.3 Weighting of assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	30%	30		
	Reports / Sheets				
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance	30%	30	10%	3
	Lab. Reports / Activities			10%	3
	Final oral / practical exam			80%	24
Final Exam		60%	40	100%	40
Total		100%	100	100%	100

**Members of examination committee:**

CCE 351: Dr. Mohamed Abdelhamed, Dr. Sameh Fathi

CCE 352: Dr. Mohammed Abdelhamed, Dr. Emad Abdelaty

- **Role of external evaluator:** See Appendix 2 in program specifications.

**4. Facilities and teaching materials:**

- Totally adequate:
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

- List any difficulties encountered:



#### 6. Student evaluation of the course:

- **Student evaluates for the course is satisfactory by percentage of**  
**First Term: 83% Second Term :80%**

#### 7. Comments from external evaluator(s):


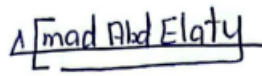

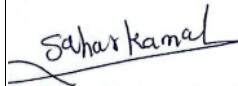

- Please look to appendix 2 in program specifications.

#### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
  - Site visits to Students: Done, appears through visit report.
  - Training students to implement some topics using the Matlab program: Done, appears through the course file.
  - Replacement and renewal of some communications laboratory equipment: Done, appears through a new NI communication kit and through the course file.
- **Progress on actions identified in the previous year's action plan:** none
- **Action State whether completed and give reasons for any none-completion:** none

#### 9. Action plan for academic year 2022/2023

Actions required	Completion date	Person responsible
None	2022/2023	Dr. Mohamed Abdelhamed Dr. Sameh Fathy Dr. Emad Abd-Elaty

Title	Name	Signature
Course coordinator	<b>Communications (1), CCE 351 1<sup>st</sup>term</b> Dr. Mohamed Abdelhamed Dr. Sameh Fathy	
	<b>Communications (2), CCE 352 2<sup>nd</sup>term</b> Dr. Mohamed Abdelhamed Dr. Emad Abd-Elaty	 
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Automatic Control Theory, CCE 371 1<sup>st</sup> term  
Digital Control Systems, CCE 372 2<sup>nd</sup> term
2. **Program(s) on which this course is given:** Computer and Control Engineering
3. **Year/Level of program:** Third year / 1<sup>st</sup> and 2<sup>nd</sup> Semester
4. **Unit hours:**  
Lectures: 2 hrs. Tutorial: -- hrs. Practical: 2 hrs. Total: 4 hrs. 1<sup>st</sup> term  
Lectures: 2 hrs. Tutorial: -- hrs. Practical: 2 hrs. Total: 4 hrs. 2<sup>nd</sup> term
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr. Mohsen Saleh
  - **External evaluator:** Prof. Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 29
- No. of students completing the course: 28
- **Results:**

No. of students	State	Percentage
27	Pass	96.43%
1	Fail	3.57%
1	Absence	4%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	2	8	17	1
Percentage				
0%	7%	29%	61%	4%

## C. Professional Information

### 2. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  
    >90 %:                              70-90 %:                              <70%:
- Reasons in detail for not teaching any topic:
- If any topics were taught which are not specified, give reasons in detail:

### 3. Teaching and learning methods:

Automatic Control Theory, CCE 371

1<sup>st</sup> term

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c3.1	√	√	√	√		√			√			√
c3.2	√	√	√	√		√	√	√	√	√	√	√

Digital Control Systems,

CCE 372

2<sup>nd</sup> term

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c3.1	√	√	√	√		√				√	√	√
c3.2	√		√	√		√	√		√	√	√	√

#### 4. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	c3.1, c3.2
2	Reports / Sheets	c3.1, c3.2
3	Quiz 1 / Quiz 2	c3.1, c3.2
4	Mid-term Exam	c3.1, c3.2
5	Oral / Practical Exam	c3.1, c3.2
6	Final Exam	c3.1, c3.2

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 10
4	Mid-term Exam- (on-line)	10/8
5	Oral / Practical Exam	13 /16
6	Final Exam	14/17

3.3 Weighting of assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	40%	40	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	12
	Mid-term Exam			60%	24
<b>Practical / Oral</b>	Practical Attendance	--	--	--	--
	Lab. Reports / Activities			--	--
	Final oral / practical exam			--	--
Final Exam		60%	60	100%	60
Total		100%	100	100%	100

**Members of examination committee:**

Dr. Mohsen Saleh,  
Dr. Bassam Wasfi

- **Role of external evaluator:** See Appendix 2 in program specifications.

**4. Facilities and teaching materials:**

- Totally adequate:
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

- List any difficulties encountered:

**6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of

**First Term :86%**

**Second Term :82%**

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
  - All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
  - Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
  - Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** none
  - **Action State whether completed and give reasons for any none-completion:** none

**9. Action plan for academic year 2022-2023**

<b>Actions required</b>	<b>Completion date</b>	<b>Person responsible</b>
None	2022/2023	Dr.MohsenSaleh



Title	Name	Signature
Course coordinator	Dr.MohsenSaleh	Mohsen Saleh
Program coordinator	Dr. Sahar kamal	Sahar kamal
Head of program	Prof. Dr. Salah El-Agoz	S. Elagoz
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Computer Architecture (1), CCE 391 1<sup>st</sup> term  
Computer Architecture (2), CCE 394 2<sup>nd</sup> term
2. **Program(s) on which this course is given:** Computer and Control Engineering
3. **Year/Level of program:** Third year / 1<sup>st</sup> and 2<sup>nd</sup> Semester
4. **Unit hours:**  
Lectures: 2 hrs. Tutorial: 2 hrs. Practical: 2 hrs. Total: 6 hrs. 1<sup>st</sup> term  
Lectures: 2 hrs. Tutorial: 2 hrs. Practical: 2 hrs. Total: 6 hrs. 2<sup>st</sup> term
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr. Ahmed EL-Shafie
  - **External evaluator:** Prof. Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 27
- **No. of students completing the course:** 25
- **Results:**

No. of students	State	Percentage
24	Pass	96%
1	Fail	4%
2	Absence	8%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	0	4	20	1
Percentage				
0%	0%	16%	80%	4%

## C. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 5. Teaching and learning methods:

Computer Architecture (1), CCE 391

1<sup>st</sup> term

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.1	√	√	√	√			√	√	√	√	√	
c1.2	√	√	√	√	√	√	√	√	√	√	√	√

Computer Architecture (2), CCE 394

2<sup>nd</sup> term

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.1	√	√	√		-	√	√			√	√	√
c1.2	√	√	√	√	-	√	√	√		√	√	√

### 3.Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	c1.1, c1.2
2	Reports / Sheets	c1.1, c1.2
3	Quiz 1 / Quiz 2	c1.1, c1.2
4	Mid-term Exam	c1.1, c1.2
5	Oral / Practical Exam	c1.1, c1.2
6	Final Exam	c1.1, c1.2

### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 10
4	Mid-term Exam - (on-line)	8/10
5	Oral / Practical Exam	13/16
6	Final Exam	14/17

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	30%	45	40%	18
	Reports / Sheets				
	Quiz 1 / Quiz 2				
	Mid-term Exam			60%	27
<b>Practical / Oral</b>	Practical Attendance	30%	45	10%	4
	Lab. Reports / Activities			10%	5
	Final oral / practical exam			80%	36
Final Exam		60%	60	100%	60
Total		100%	150	100%	150

**Members of examination committee:**

**Computer Architecture (1), CCE 391**

**1<sup>st</sup> term**

Dr. Ahmed EL-Shafie

Dr. Ahmed Elmahalawy

**Computer Architecture (2), CCE 394**

**2<sup>nd</sup> term**

Dr. Ahmed EL-Shafie

Dr. fathy nour

- **Role of external evaluator:** See Appendix 2 in program specifications.

**4. Facilities and teaching materials:**

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5. Administrative constraints:**

- List any difficulties encountered: None

**6. Student evaluation of the course:**

- **Student evaluates for the course is satisfactory by percentage of**  
**First Term : 86%      Second Term : 86%**

**7. Comments from external evaluator(s):**

- Please look to appendix 2 in program specifications.

**8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.




- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

• **Progress on actions identified in the previous year's action plan: None**

**Action State whether completed and give reasons for any none-completion: None**

**9. Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
None	2023-2024	Dr. Ahmed Elshafie

Title	Name	Signature
Course coordinator	Dr. Ahmed Elshafie	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- 1- **Title and code:** Software Engineering, CCE 392
- 2- **Program(s) on which this course is given:** Computer and Control Engineering
- 3- **Year/Level of program:** Third year / 1<sup>st</sup> Semester
- 4- **Unit hours:**

Lectures: 2 hrs.      Tutorial: 2 hrs.      Practical: 2 hrs.      Total: 6 hrs. 1<sup>st</sup> term

5- **Names of lecturers contributing to the delivery of the course**

- **Course coordinator:** Dr. Bassam wasfi
- **External evaluator:** Prof.Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 26
- No. of students completing the course: 26
- **Results:**

No. of students	State	Percentage
25	Pass	96.15%
1	Fail	3.85%
1	Absence	0%



Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	3	7	15	1
Percentage				
0%	12%	27%	58%	4%

### C. Professional Information

#### 1- Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

#### 2- Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.1	√	√	√		√	√	√	√		√		√
c1.2	√	√	√		√	√	√	√		√	√	√

### 3- Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	c1.1, c1.2
2	Reports / Sheets	c1.1, c1.2
3	Quiz 1 / Quiz 2	c1.1, c1.2
4	Mid-term Exam	c1.1, c1.2
5	Oral / Practical Exam	c1.1, c1.2
6	Final Exam	c1.1, c1.2

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 10
4	Mid-term Exam- (on-line)	10
5	Oral / Practical Exam	13
6	Final Exam	14

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	30%	30		
	Reports / Sheets				
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
<b>Practical / Oral</b>	Practical Attendance	30%	30	10%	3
	Lab. Reports / Activities			10%	3
	Final oral / practical exam			80%	24
Final Exam		60%	40	100%	40
Total		100%	100	100%	100

#### Members of examination committee:

Dr. Bassam wasfi

Dr. Fathi Nour

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4- Facilities and teaching materials:

- Totally adequate:  $\sqrt$  -
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5- Administrative constraints:

List any difficulties encountered: None

**6- Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of:83%

**7- Comments from external evaluator(s):**

Please look to appendix 2 in program specifications.

**8- Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

• **Progress on actions identified in the previous year's action plan: None**

**Action State whether completed and give reasons for any none-completion:None**

**9- Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
None:	2023-2024	Dr. Bassam wasfi

Title	Name	Signature
Course coordinator	Dr. Bassam wasfi	Bassam.W.AboShasha
Program coordinator	Dr. Sahar kamal	Sahar kamal
Head of program	Prof. Dr. Salah El-Agoz	S.Elagoz
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

6- **Title and code:** Computer Engineering (2), CCE 393

7- **Program(s) on which this course is given:** Computer and Control Engineering

8- **Year/Level of program:** Third year / 1<sup>st</sup> Semester

9- **Unit hours:**

Lectures: 2 hrs.      Tutorial: 0 hrs.      Practical: 2 hrs.      Total: 6 hrs.      1<sup>st</sup> term

10- **Names of lecturers contributing to the delivery of the course**

- **Course coordinator:** Dr. Fathi Nour
- **External evaluator:** Prof. Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 28**
- **No. of students completing the course: 28**
- **Results:**

No. of students	State	Percentage
24	Pass	85.71%
4	Fail	14.29%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	1	1	22	4
Percentage				
0%	4%	4%	79%	14%

### C. Professional Information

#### 10- Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
  - >90 %: √
  - 70-90 %:
  - <70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

#### 11- Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.1	√	√	√				√			√	√	
c1.2	√	√	√		√	√	√			√	√	√

## 12- Student assessment:

### 3.1 Students' assessment method

No.	Assessment Method	LOs
1	Attendance	c1.1,c1.2
2	Reports / Sheets	c1.1,c1.2
3	Quiz 1 / Quiz 2	c1.1,c1.2
4	Mid-term Exam	c1.1,c1.2
5	Oral / Practical Exam	c1.1,c1.2
6	Final Exam	c1.1,c1.2

### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 10
4	Mid-term Exam	10
5	Oral / Practical Exam	13
6	Final Exam	14

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	30%	30	40%	12
	Reports / Sheets				
	Quiz 1 / Quiz 2				
	Mid-term Exam			60%	18



<b>Practical / Oral</b>	Practical Attendance			10%	3
	Lab. Reports / Activities			10%	3
	Final oral / practical exam	30%	30	80%	24
Final Exam		60%	40	100%	40
Total		100%	100	100%	100

**Members of examination committee:**

Dr. Fathi Nour

Dr. Ahmed Elshafie

- **Role of external evaluator:** See Appendix 2 in program specifications.

**13- Facilities and teaching materials:**

- Totally adequate: √ -
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**14- Administrative constraints:**

List any difficulties encountered: None

**15- Student evaluation of the course:**

- **Student evaluates for the course is satisfactory by percentage of : 58%**

**16- Comments from external evaluator(s):**

Please look to appendix 2 in program specifications.

**17- Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.

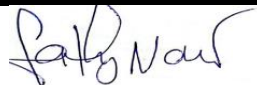


- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

• **Progress on actions identified in the previous year's action plan:** None

**Action State whether completed and give reasons for any none-completion:** None

#### 18- Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
None	2023-2024	Dr. Fathi Nour

Title	Name	Signature
Course coordinator	Dr.Fathi Nour	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agooz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- 1- **Title and code:** Computer Aided Circuits Design, CCE 317
- 2- **Program(s) on which this course is given:** Computer and Control Engineering
- 3- **Year/Level of program:** Third year / 1<sup>st</sup> Semester
- 4- **Unit hours:**

Lectures: 1 hrs. Tutorial: -- hrs. Practical: 2 hrs. Total: 3 hrs. 1<sup>st</sup> term

### 5- Names of lecturers contributing to the delivery of the course

- **Course coordinator:** Dr. Fatma EL-fouly.
- **External evaluator:** Prof.Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 29
- **No. of students completing the course:** 28
- **Results:**

No. of students	State	Percentage
25	Pass	89.29%
3	Fail	10.71%
1	Absence	4%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	0	1	24	3
Percentage				
0%	0%	4%	86%	11%

## C. Professional Information

### 1- Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2- Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c3.1	√	√	√									
c3.2	√	√	√		√	√	√	√		√		√

### 3- Student assessment:

#### 3.1 Students' assessment method

No.	Assessment Method	LOs
1	Attendance	c3.1, c3.2
2	Reports / Sheets	c3.1, c3.2
3	Quiz 1 / Quiz 2	c3.1, c3.2
4	Mid-term Exam	c3.1, c3.2
5	Oral / Practical Exam	c3.1, c3.2
6	Final Exam	c3.1, c3.2

#### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 10
4	Mid-term Exam - (on-line)	10
5	Oral / Practical Exam	13
6	Final Exam	14

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	30%	15	--	--
	Reports / Sheets			40%	6
	Quiz 1 / Quiz 2			60%	9
	Mid-term Exm				
<b>Practical / Oral</b>	Practical Attendance	30%	15		1
	Lab. Reports / Activities			40%	2
	Final oral / practical exam			60%	12
Final Exam		60%	20	100%	20
Total		100%	50	100%	50

#### Members of examination committee:

Dr. Fatma Elfouly

Dr. Nabil Abrabou

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4- Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5- Administrative constraints:

List any difficulties encountered: None

**6- Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of :68%

**7- Comments from external evaluator(s):**


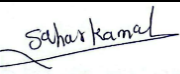

Please look to appendix 2 in program specifications.

**8- Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan :None**
- **Action State whether completed and give reasons for any none-completion None**

**9- Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
None	2023-2024	Dr. Fatma Elfouly

Title	Name	Signature
Course coordinator	Dr. Fatma Elfouly	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Electric power and Machine Engineering (1), EPM 305 1<sup>st</sup> term  
Electric power and Machine Engineering (2), EPM 306 2<sup>nd</sup> term
- 2- **Program(s) on which this course is given:** Computer and Control Engineering
- 3- **Year/Level of program:** Third year / 1<sup>st</sup> and 2<sup>nd</sup> Semester
- 4- **Unit hours:**  
Lectures: 2 hrs. Tutorial: -- hrs. Practical: 2 hrs. Total: 4 hrs. 1<sup>st</sup> term  
Lectures: 2 hrs. Tutorial: -- hrs. Practical: 2 hrs. Total: 4 hrs. 2<sup>st</sup> term
- 5- **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:**  
Electric power and Machine Engineering (1), EPM 305 1<sup>st</sup> term  
- Dr/Rami Adel Dr/ Loai Mohammed
  - Electric power and Machine Engineering (2), EPM 306 2<sup>nd</sup> term  
- Mohammed Mehana
  - **External evaluator:** Prof.Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 31**
- **No. of students completing the course: 29**
- **Results:**

No. of students	State	Percentage
26	Pass	89.66%
3	Fail	10.34%
2	Absence	7%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	1	3	22	3

Percentage				
0%	3%	10%	76%	10%



## C. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:

>90 %:

70-90 %:

<70%:

- Reasons in detail for not teaching any topic:
- If any topics were taught which are not specified, give reasons in detail:

### 2. Teaching and learning methods:

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Attendance	b1.1, b1.2, b2.1, b3.1, b4.1
2	Reports / Sheets	b1.1, b1.2, b2.1, b3.1, b4.1
3	Quiz 1 / Quiz 2	b1.1, b1.2, b2.1, b3.1
4	Mid-term Exam	b1.1, b1.2, b2.1, b3.1
5	Oral/practical Exam	b1.1, b1.2, b2.1, b3.1, b4.1
6	Final Exam	b1.1, b1.2, b2.1, b3.1

3.2 Assessment schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 10
4	Mid-term Exam- (on-line)	10/8
5	Oral / Practical Exam	13 or 16

6	Final Exam	14/17
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3.3 Weighting of assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance			--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2	30%	30	40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance			10%	3
	Lab. Reports / Activities	30%	30	10%	3
	Final oral / practical exam			80%	24
Final Exam		60%	40	100%	40
Total		100%	100	100%	100

#### Members of examination committee:

- EPM 305: Dr/Rami Adel Dr/ Loai Mohammed

EPM 306:Dr. Mohammed Mehana . Dr. Mohamed Abdelhamed

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of  
First Term 74%      Second Term 78%

#### 7. Comments from external evaluator(s):

- Please look to appendix 2 in program specifications.

#### 8. Course enhancement:

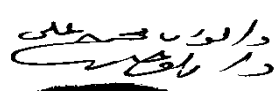

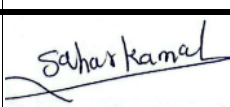

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

• **Progress on actions identified in the previous year's action plan:** None

**Action State whether completed and give reasons for any none-completion:** None

#### 9. Action plan for academic year 2023/2024

Actions required	Completion date	Person responsible
None	2023/2024	Dr/Rami Adel Dr/ Loai Mohammed Dr/Mohammed Mehana

Title	Name	Signature
<b>Course coordinator</b>	<p>Electric power and Machine Engineering (1), EPM 305 1<sup>st</sup> term</p> <p>- Dr/Rami Adel Dr/ Loai Mohammed</p> <p>Electric power and Machine Engineering (2), EPM 306 2<sup>nd</sup> term</p> <p>- Mohammed Mehana</p>	 
<b>Program coordinator</b>	Dr. Sahar kamal	
<b>Head of program</b>	Prof. Dr. Salah El-Agooz	
<b>Date</b>	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1- **Title and code:** sub-selective course Humanities (2), HUM 233

2- **Program(s) on which this course is given:** Computer and Control Engineering

3- **Year/Level of program:** Third year / 1<sup>st</sup> Semester

4- **Unit hours:**

Lectures: 2 hrs. Tutorial: 1 hrs. Practical: -- hrs. Total: 3 hrs. 1<sup>st</sup> term

5- **Names of lecturers contributing to the delivery of the course**

- **Course coordinator:** Dr. Mahmoud Ghorab
- **External evaluator:** Prof. Dr. Osama Elsayed  
Prof. Dr. Osama Elsayed

### B. Statistical Information

-No. of students attending the course: 25

-No. of students completing the course: 25

- **Results:**

No. of students	State	Percentage
25	Pass	100%
0	Fail	0%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	3	6	16	0
Percentage				
0%	12%	24%	64%	0%

## C. Professional Information

### 1- Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:  

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2- Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a2.2	√	√	√	√	√		√			√		
a3.2	√	√	√	√	√		√			√		

### 3- Student assessment:

#### 3.1 Students' assessment method

No.	Assessment Method	LOs
1	Attendance	a2.2, a3.2
2	Reports / Sheets	a2.2, a3.2
3	Quiz 1 / Quiz 2	a2.2, a3.2
4	Mid-term Exam	a2.2, a3.2
5	Oral / Practical Exam	---
6	Final Exam	a2.2, a3.2

#### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 10
4	Mid-term Exam - (on-line)	10
5	Oral / Practical Exam	-----
6	Final Exam	14

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	30%	30	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	9
	Mid-term Exam			60%	17
Final Exam		70%	70	100%	70
Total		100%	100	100%	100

#### Members of examination committee:

Dr. Mahmoud Ghorab  
Dr. Bassam Wasfi

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4- Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5- Administrative constraints:

List any difficulties encountered: None

#### 6- Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of :89 %

#### 7- Comments from external evaluator(s):

Please look to appendix 2 in program specifications.



#### 8- Course enhancement:

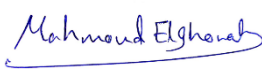
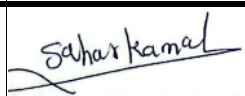

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

• **Progress on actions identified in the previous year's action plan:** None

**Action State whether completed and give reasons for any none-completion:** None

#### 9- Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
None	2023-2024	Dr. Mahmoud Ghorab

Title	Name	Signature
Course coordinator	Dr. Mahmoud Ghorab	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- 1- **Title and code:** Database systems, CCE 395
- 2- **Program(s) on which this course is given:** Computer and Control Engineering
- 3- **Year/Level of program:** Third year / 2<sup>st</sup> Semester
- 4- **Unit hours:**

Lectures: 2 hrs.      Tutorial: -- hrs.      Practical: 2 hrs.      Total: 2 hrs. 2<sup>nd</sup> term

- 5- **Names of lecturers contributing to the delivery of the course**

- **Course coordinator:** Dr. Ahmed Elshafie
- **External evaluator:** Prof.Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 28
- **No. of students completing the course:** 27
- **Results:**

No. of students	State	Percentage
25	Pass	92.59%
2	Fail	7.41%
1	Absence	4%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	2	5	18	2
Percentage				
0%	7%	19%	67%	8%

## C. Professional Information

### 1- Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2- Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.2	√	√	√	√	√		√	√		√	√	√
c2.1	√	√	√	√	√		√	√		√	√	√

### 3- Student assessment:

#### 3.1 Students' assessment method

No.	Assessment Method	LOs
1	Attendance	c1.2,c2.1
2	Reports / Sheets	c1.2,c2.1
3	Quiz 1 / Quiz 2	c1.2,c2.1
4	Mid-term Exam	c1.2,c2.1
5	Oral / Practical Exam	c1.2,c2.1
6	Final Exam	c1.2,c2.1

#### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 10
4	Mid-term Exam- (on-line)	10
5	Oral / Practical Exam	13
6	Final Exam	14

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	20%	30	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
<b>Practical / Oral</b>	Practical Attendance	20%	30	10%	3
	Lab. Reports / Activities			10%	3
	Final oral / practical exam			80%	24
Final Exam		60%	40	100%	60
Total		100%	100	100%	100

#### Members of examination committee:

Dr. Ahmed EL-Shafie

Dr. Ahmed EL-Mahalawy

**Role of external evaluator:** See Appendix 2 in program specifications.

#### 4- Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:




#### 5- Administrative constraints:

List any difficulties encountered: None

#### 6- Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of :82%
- 7- **Comments from external evaluator(s):**  
Please look to appendix 2 in program specifications.
- 8- **Course enhancement:**
  - Working in the hybrid education system (face to face / online).
  - All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
  - Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
  - Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan: None**
- **Action State whether completed and give reasons for any none-completion: None**
- 9- **Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
None	2023-2024	Dr.Ahmed Elshafie.

Title	Name	Signature
Course coordinator	Dr.Ahmed Elshafie.	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- 1- **Title and code:** Electromagnetic Waves, CCE 361
- 2- **Program(s) on which this course is given:** Computer and Control Engineering
- 3- **Year/Level of program:** Third year / 2<sup>st</sup> Semester
- 4- **Unit hours:**

Lectures: 2 hrs. Tutorial: - hrs. Practical: 2 hrs. Total: 4 hrs. 2<sup>st</sup> term

- 5- **Names of lecturers contributing to the delivery of the course**

**Course coordinator:** Dr. Hamed Elshenaw

**External evaluator:** Prof. Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 29
- **No. of students completing the course:** 28
- **Results:**

No. of students	State 392	Percentage
26	Pass	92.86%
2	Fail	7.14%
1	Absence	4%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	0	2	24	2
Percentage				
0%	0%	7%	86%	8%

## C. Professional Information

### 1- Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: √
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2- Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b1.1	√	√	√	√	√	√	√			√		√
b1.2	√	√	√	√	√	√	√			√		√
b2.1	√	√	√	√	√	√	√			√		√



### 3- Student assessment:

#### 3.1 Students' assessment method

No.	Assessment Method	LOs
1	Attendance	b1.1, b1.2 and b2.1
2	Reports / Sheets	b1.1, b1.2 and b2.1
3	Quiz 1 / Quiz 2	b1.1, b1.2 and b2.1
4	Mid-term Exam	b1.1, b1.2 and b2.1
5	Oral / Practical Exam	b1.1, b1.2 and b2.1
6	Final Exam	b1.1, b1.2 and b2.1

#### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam- (on-line)	8
5	Oral / Practical Exam	15or 16
6	Final Exam	17

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	30%	30	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance	30%	30	10%	3
	Lab. Reports			10%	3
	Lab. Activities / Projects				
	Final oral / practical exam			80%	24
Final Exam		70%	40	100%	40
Total		100%	100	100%	100

#### Members of examination committee:

Dr. Hamed Elshenawy,

Dr. Mhamed Edries

**Role of external evaluator:** See Appendix 2 in program specifications.

#### 4- Facilities and teaching materials:

- Totally adequate:  $\sqrt$  -
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5- Administrative constraints:

List any difficulties encountered: None

**6- Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of :75%

**7- Comments from external evaluator(s):**

Please look to appendix 2 in program specifications.

**8- Course enhancement:**

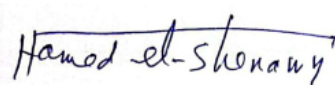


- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

**Progress on actions identified in the previous year's action plan:** None

**Action State whether completed and give reasons for any none-completion:** None

**9- Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
None	2023-2024	Dr. Hamed Elshenawy

Title	Name	Signature
Course coordinator	Dr. Hamed Elshenawy	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

- 1- **Title and code:** Industrial Legalization and contracting, HUM 303
- 2- **Program(s) on which this course is given:** Computer and Control Engineering
- 3- **Year/Level of program:** Third year / 2<sup>st</sup> Semester
- 4- **Unit hours:**

Lectures: 2 hrs.      Tutorial: 1 hrs.      Practical: - hrs.      Total: 3 hrs.      2<sup>st</sup> term

- 5- **Names of lecturers contributing to the delivery of the course**

- **Course coordinator:** Dr. Sahar Kamal
- **External evaluator:** Prof. Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 28
- **No. of students completing the course:** 27
- **Results:**

No. of students	State	Percentage
27	Pass	100%
0	Fail	0%
1	Absence	4%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
2	6	11	8	0
Percentage				
7%	22%	41%	30%	0%

## C. Professional Information

### 1- Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
  - >90 %: √
  - 70-90 %:
  - <70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2- Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a6.1	√	√	√	√		√				√		
a6.2	√	√	√	√		√				√		

### 3- Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs

1	Attendance	a1.1, a6.1, and a9.1
2	Reports / Sheets	a1.1, a6.1, and a9.1
3	Quiz 1 / Quiz 2	a1.1, a6.1, and a9.1
4	Mid-term Exam	a1.1, a6.1, and a9.1
5	Oral / Practical Exam	-
6	Final Exam	a1.1, a6.1, and a9.1

### 3.2 Assessment schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	5 or 11
4	Mid-term Exam- (on-line)	8
5	Oral / Practical Exam	-----
6	Final Exam	17

### 3.3 Weighting of assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
<b>Teacher Opinion</b>	Attendance	30%	30	5%	1
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	9
	Mid-term Exam			60%	18
Final Exam		70%	70	100%	70
Total		100%	100	100%	100

**Members of examination committee:**

Dr. Sahar Kamal     Dr. Emad Abdelatay

**Role of external evaluator:** See Appendix 2 in program specifications.

**4- Facilities and teaching materials:**

- Totally adequate:  $\sqrt{\phantom{x}}$  -
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

**5- Administrative constraints:**

List any difficulties encountered: None

**6- Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of :84%

**7- Comments from external evaluator(s):**


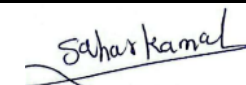

Please look to appendix 2 in program specifications.

**8- Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** None
- **Action State whether completed and give reasons for any none-completion:** None

**9- Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
None	2023-2024	Dr.Sahar Kamal

Title	Name	Signature
Course coordinator	Dr. Sahar kamal	
Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	



## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. Title and code: : Practical Field training (2), ECE 23x
2. Program(s) on which this course is given: Computer and Control Engineering
3. Year/Level of program: Second year / 3<sup>rd</sup> Semester
4. Unit hours:  
Lectures: -- hrs.      Tutorial: -- hrs.      Practical: 3 hrs.      Total: 3 hrs.
5. Names of lecturers contributing to the delivery of the course

Course coordinator: Dr. Mohsen Saleh

- External evaluator: Prof. Elsayed Mahmoud ElRabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 28
- No. of students completing the course: 28
- Results:

No. of students	State	Percentage
20	Pass	71.43%
8	Fail	28.57%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
10	10	0	0	8

Percentage				
36%	36%	0%	0%	29%

## C. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: √	70-90 %:	<70%:
----------	----------	-------
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b2.1		√	√							√		√
b2.2		√	√		√			√	√	√		√

### 3. Student assessment:

3.1 Students' assessment method		
No.	Assessment Method	LOs
1	Enthusiasm and interest in work	b2.1, b2.2
2	Attitude towards delivering accurate work	b2.1, b2.2
3	Quality of work output	b2.1, b2.2
4	Initiative in taking tasks to complete	b2.1, b2.2
5	Dependability and reliability	b2.1, b2.2
6	Ability to learn and search for information	b2.1, b2.2
7	Judgment and decision making	b2.1, b2.2
8	Maintaining effective relations with co-works	b2.1, b2.2
9	Ability of reporting and presenting his work	b2.1, b2.2
10	Attendance	b2.1, b2.2
11	Punctuality	b2.1, b2.2
12	Final exam	b2.1, b2.2

3.2 Assessment schedule			
No.	Assessment Method	weeks	
1.	Interest in work	Per-day	External trainer
2.	Attitude towards delivering accurate work	Per-day	
3.	Quality of work output	Per-day	
4.	Initiative in taking tasks to complete	Per-day	
5.	Dependability and reliability	Per-day	
6.	Ability to learn and search for information	Per-day	
7.	Judgment and decision making	Per-day	
8.	Maintaining effective relations with co-works	Per-day	
9.	Ability of reporting and presenting his work	Per-day	

10.	Attendance	Per-day	
11.	Punctuality	Per-day	
12.	Final exam	The fourth week	Department supervisors

3.3 Weighting of assessments (Grading System)		
Interest in work	4%	2
Attitude towards delivering accurate work	4%	2
Quality of work output	4%	2
Initiative in taking tasks to complete	4%	2
Dependability and reliability	4%	2
Ability to learn and search for information	4%	2
Judgment and decision making	4%	2
Maintaining effective relations with co-works	4%	2
Ability of reporting and presenting his work	4%	2
Attendance	10%	5
Punctuality	4%	2
Final exam	50%	25
Total	100%	50

#### Members of examination committee: ----

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- **Student evaluates for the course is satisfactory by percentage of First Term -**
- **Response of course team:** Excellent.

## 7. Comments from external evaluator(s):

- Please look to appendix 2 in program specifications.

## 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** None
- **Action State whether completed and give reasons for any none-completion:** None

## 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
None	2023-2024	Dr. Mohsen Saleh

Title	Name	Signature
Course coordinator	Dr. Mohsen Saleh	<i>Mohsen Saleh</i>
Program coordinator	Dr. Sahar kamal	<i>Sahar kamal</i>
Head of program	Prof. Dr. Salah El-Agooz	<i>S. Elagoz</i>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. Title and code: : **Training Project (4)**, ECE 284

2. Program(s) on which this course is given: Computer and Control Engineering

3. Year/Level of program: Second year / 3<sup>rd</sup> Semester

4. Unit hours:

Lectures: -- hrs. Tutorial: 2 hrs. Practical: --hrs. Total: 2 hrs

5. Names of lecturers contributing to the delivery of the course

Course coordinator: Dr. Nabil Abdrabou

- External evaluator: Prof. Elsayed Mahmoud ElRabaei

Prof. Dr. Osama Elsayed

### B. Statistical Information

- No. of students attending the course: 26
- No. of students completing the course: 26
- Results:

No. of students	State	Percentage
25	Pass	96.15%
1	Fail	3.85%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	5	6	14	1

Percentage				
0%	19%	23%	54%	4%

## C. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: √	70-90 %:	<70%:
----------	----------	-------
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

### 2. Teaching and learning methods:

Learning Outcomes (LOs)	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
b2.1		√	√							√		√
b2.2		√	√		√			√		√		√

### 3. Student assessment:

#### 3.1 Students' assessment method

No	Assessment Method	LOs
1	Assignments	b2.1 and b2.2
2	Mid-term project	None
3	Final exam project:	b2.1 and b2.2

#### 3.2 Assessment schedule

No.	Assessment Method	weeks
1.	Attendance	Weekly
2.	Reports/ Sheets	Bi-weekly
3.	Final oral exam	At the end of the semester

#### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Practical / Oral	Reports/ Project	50%	25	80%	20
	Attendance			5%	5
	Oral / practical exam	50%	25	50%	25
<b>Total</b>		100%	50		50

#### Members of examination committee: ----

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 10. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:



#### 11. Administrative constraints:

- List any difficulties encountered: None

#### 12. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of First Term -
- Response of course team: Excellent.

#### 13. Comments from external evaluator(s):


- Please look to appendix 2 in program specifications.

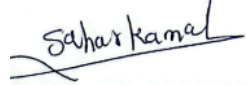

#### 14. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- Some exams were held electronically remotely (mid-term exams / quizzes - etc.), in addition all the student's assignments / reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** None
- **Action State whether completed and give reasons for any none-completion:** None

#### 15. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
None	2023-2024	Dr. Nabil Abdrabou

Title	Name	Signature
Course coordinator	Dr. Nabil Abdrabou	

Program coordinator	Dr. Sahar kamal	
Head of program	Prof. Dr. Salah El-Agoz	
Date	August 2023	

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# **Appendix 1**

## **Annual Course Report**

### **2022/2023**

## Fourth Year

### Computers and Control Engineering

Term	No.	Code	Course
<b>First Term</b>	1	CCE 491	Computer Networks (1)
	2	CCE 420	Selective Course (1)
	3	CCE 423	Selective Course (2)
	4	CCE 411	Data Structure
	5	BSM 492	Artificial Intelligence (AI)
	6	HUM 4xx	Selective Humanities Course (3)
	7	CCE 481	Graduation Project
<b>Second Term</b>	8	CCE 493	Computer Networks (2)
	9	CCE 494	Operating Systems
	10	CCE 495	Computer Graphics
	11	CCE 426	Selective Course (3)
	12	CCE 428	Selective Course (4)
	13	CCE 429	Selective Course (4)
	14	HUM 442	Project Management
	15	CCE 482	Graduation Project

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Computer Networks (1,2) **code:**( CCE 491- CCE 493)
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 1<sup>st</sup> and 2<sup>nd</sup> Semester
4. **Unit hours:**

CCE 491: Lectures: 2 hrs. Tutorial: 1 hr. Practical: 1hrs Total: 4 hrs.

CCE 493: Lectures: 2 hrs. Tutorial: 1hrs. Practical: 1hrs Total: 4 hrs.

### 5. Names of lecturers contributing to the delivery of the course

- **Course coordinator:** CCE 491: Dr. Mohamed Abdelhamed  
CCE 493: Dr. Mohamed Abdelhamed
- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 100**
- **No. of students completing the course: 88**
- **Results:**

No. of students	State	Percentage
83	Pass	94.32%
5	Fail	5.68
2	Absence	2%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	4	16	62	5
Percentage				

1%	5%	18%	70%	5%
----	----	-----	-----	----

## C. Professional Information

### 1. Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: √	70-90 %:	<70%:
----------	----------	-------
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods (first term)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c4.1	√	√	√	√	√	√	√			√	√	√
c4.2	√		√	√	√	√	√		√			√

Learning Outcomes (LOs)	2. Teaching and Learning Methods(second term)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c4.1	√	√	√	√	√	√	√			√	√	√
c4.2	√		√	√	√	√	√		√			√

### 3. Students' Assessment (first term)

3.1 Students' Assessment Method		
No.	Assessment Method	Los
1	Attendance	c4.1 ,c4.2
2	Reports / Sheets	c4.1 ,c4.2
3	Quiz 1 / Quiz 2	c4.1 ,c4.2
4	Mid-term Exam	c4.1 ,c4.2
5	Oral / Practical Exam	c4.1 ,c4.2
6	Final Exam	c4.1 ,c4.2

3.2 Assessment Schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam (first)- (on-line)	10
5	Oral / Practical Exam	13
7	Final Exam	14

### 3. Students' Assessment (second term)

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Attendance	c4.1, c4.2
2	Reports / Sheets	c4.1, c4.2
3	Quiz 1 / Quiz 2	c4.1, c4.2
4	Mid-term Exam	c4.1, c4.2
5	Oral / Practical Exam	c4.1, c4.2
6	Final Exam	c4.1, c4.2

#### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam-(on-line)	8
5	Oral / Practical Exam	16
6	Final Exam	17

#### 3.3 Weighting of Assessments (Grading System)(first term)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	30%	30	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance	30%	30	10%	3
	Lab. Reports			10%	3
	Lab. Activities / Projects			--	--
	Final oral / practical exam			80%	24
Final Exam		40%	40	100%	40
Total		100%	100		100



3.3 Weighting of Assessments (Grading System) (second term)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	30%	30	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance	30%	30	10%	3
	Lab. Reports			10%	3
	Lab. Activities / Projects			--	--
	Final oral / practical exam			80%	24
Final Exam		40%	40	100%	40
Total		100%	100		100

#### Members of examination committee:

**CCE 491:** Dr. Mohamed Abdelhamed, Dr. Mohsen Saleh, Dr. Hamed El-Shenawy

**CCE 493:** Dr. Mohamed Abdelhamed, Dr. Ahmed El-Shafei, Assoc. Prof. Ahmed M. ElMahalawy

- **Role of external evaluator:** See Appendix 2 in program specifications.

#### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- CCE 491 Student evaluates for the course is satisfactory by percentage of 71%
- CCE 493 Student evaluates for the course is satisfactory by percentage of 68%

#### 7. Comments from external evaluator(s):

- Please look to appendix 2 in program specifications.

## 8. Course enhancement:


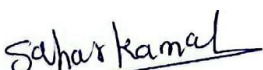
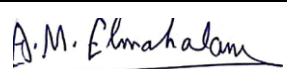
- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

**Progress on actions identified in the previous year's action plan:** Done

**Action State whether completed and give reasons for any none-completion:** Complete

## 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Site visits for student	2023/2024	Dr. Mohamed Abdelhamed
Provide the laboratory with an OTDR and server devices		
Provide the laboratory with a console cable, serial to USB converter, router with serial port, and CISCO PoE switch		
Students use websites for research and self-learning		
Maintenance of the optical fiber welding machine		

Title	Name	Signature
Course coordinator	Dr. Mohamed Abdelhamed	
Program coordinator	Dr. Sahar kamal	
Head of program	Associated.Prof. Ahmed ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Selective Course (1)-Computerized Control System **code:** CCE 420
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 1<sup>st</sup> semester
4. **Unit hours:**  
Lectures 2 hrs.      Tutorial -      Practical 2 hrs.      Total 4 hrs.

### 5. Names of lecturers contributing to the delivery of the course

- **Course coordinator:** Dr. Bassam Wasfi
- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei

### B. Statistical Information

- **No. of students attending the course:** 87
- **No. of students completing the course:** 86
- **Results:**

No. of students	State	Percentage
85	Pass	98.84%
1	Fail	1.16%
1	Absence	1%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
5	15	37	28	1
Percentage				
6%	17%	43%	33%	1%

## C. Professional Information

### 1.Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
  - >90 %: √
  - 70-90 %:
  - <70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
C3.1	√	√	√		√	√	√	√	√	√		
C3.2	√	√	√		√	√	√	√	√	√		
C4.1	√	√	√		√	√	√	√	√	√		

3.Students' Assessment		
3.1 Students' Assessment Method		
No.	Assessment Method	Los
1	Attendance	c3.1, c3.2

2	Reports / Sheets	c3.1, c3.2
3	Quiz 1 / Quiz 2	c3.1, c3.2,c4.1
4	Mid-term Exam	c3.1, c3.2,,c4.1
5	Oral / Practical Exam	c3.1, c3.2,,c4.1
6	Final Exam	c3.1, c3.2, c4.1

3.2 Assessment Schedule		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam-(on-line)	9
6	Oral / Practical Exam	13
7	Final Exam	14

3.3 Weighting of Assessments (Grading System)					
Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	30	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance	---	30	10%	3
	Lab. Reports			10%	3
	Lab. Activities / Projects			--	--
	Final oral / practical exam			80%	24
Final Exam		60%	40	100%	40
Total		100%	100		100

#### Members of examination committee:

Dr. Bassam Wasfi, Assoc. Prof. Ahmed M. ElMahalawy, Dr. Ahmed El-Shafei

- **Role of external evaluator:** None

#### 4.Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:

- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

- List any difficulties encountered: None

#### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of 78%

#### 7. Comments from external evaluator(s):

- Please look to appendix 2 in program specifications.

#### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

**Progress on actions identified in the previous year's action plan:** Done.

**Action State whether completed and give reasons for any none-completion:** Done.

This year, instead of using PLC LAB, which is still required, we used a PLC simulator.

#### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
1. Including " New SCADA applications " as topics.	2023/2024	Dr. Bassam Wasfi
2. "PLC LAB" is a necessity		

Any notes can be added: None

Title	Name	Signature
Course coordinator	Dr. Bassam Wasfi	<i>Bassam.W. Aboshasha</i>
Program coordinator	Dr. Sahar kamal	<i>Sahar kamal</i>
Head of program	Associated.Prof. Ahmed ElMahalawy	<i>A.M. Elmahalawy</i>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Selective Course (2)- (Compilers) **code:** CCE 423
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 1<sup>st</sup> semester
4. **Unit hours:**  
Lectures 2 hrs.      Tutorial -      Practical 2 hrs.      Total 4 hrs.

### 5. Names of lecturers contributing to the delivery of the course

- **Course coordinator:** Dr. Sahar kamal .
- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 86
- **No. of students completing the course:** 86
- **Results:**

No. of students	State	Percentage
86	Pass	100%
0	Fail	0%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
0	7	23	56	0
Percentage				
0%	8%	27%	65%	0%



## C. Professional Information

### 1.Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: ✓	70-90 %:	<70%:
----------	----------	-------
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
C1.1					✓			✓				
C1.2	✓	✓		✓								

### 3. Students' Assessment

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Attendance	c1.1, c1.2
2	Reports / Sheets	c1.1, c1.2
3	Quiz 1 / Quiz 2	c1.1, c1.2
4	Mid-term Exam	c1.1, c1.2
5	Oral / Practical Exam	-----
6	Final Exam	c1.1, c1.2

#### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam(first) -(on-line)	10
6	Oral / Practical Exam	13
11	Final Exam	14

#### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	30%	30	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance	30%	30	10%	3
	Lab. Reports			10%	3
	Lab. Activities / Projects			--	--
	Final oral / practical exam			80%	24
Final Exam		40%	40	100%	40
Total		100%	100		100

#### Members of examination committee:

Dr. Sahar kamal, Dr. Fathy Nour, Assoc. Prof. Ahmed M. ElMahalawy

- **Role of external evaluator:** None

#### 4.Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5.Administrative constraints:

List any difficulties encountered: None

#### 6.Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of . 69%

#### 7.Comments from external evaluator(s):

Please look to appendix 2 in program specifications.

#### 8.Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

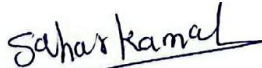

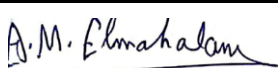
- **Progress on actions identified in the previous year's action plan:**

- 1- Apply practical projects using the course contents.
- 2- Scientific research papers use recent trends.
- 3- Students use websites for research and self-learning.

- **Action State whether completed and give reasons for any none-completion:** done

### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Add a new topic in compiler design ( Code generation)	2023/2024	Dr. Sahar kamal

Title	Name	Signature
Course coordinator	Dr. Sahar kamal	
Program coordinator	Dr. Sahar kamal	
Head of program	Associated.Prof. Ahmed ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Data Structure **code:** CCE 411
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 1<sup>st</sup> semester
4. **Unit hours:**  
Lectures 2 hrs.      Tutorial 2 hrs      Practical 2 hrs.      Total 6 hrs.

### 5. Names of lecturers contributing to the delivery of the course

- **Course coordinator:** Dr. Ahmed El-Shafei
- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 86
- **No. of students completing the course:** 86
- **Results:**

No. of students	State	Percentage
86	Pass	100%
0	Fail	0%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
8	25	30	23	0
Percentage				
9%	29%	35%	27%	0%

## C. Professional Information

### 1.Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: ✓
70-90 %:
<70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.1	✓	✓	✓	✓			✓	✓	✓	✓	✓	
c1.2	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓

### 3. Students' Assessment

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Attendance	c1.1, c1.2
2	Reports / Sheets	c1.1, c1.2
3	Quiz 1 / Quiz 2	c1.1, c1.2
4	Mid-term Exam	c1.1, c1.2
5	Oral / Practical Exam	c1.1, c1.2
6	Final Exam	c1.1, c1.2

#### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam(first)- (on-line)	10
5	Oral / Practical Exam	13
6	Final Exam	14

#### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	20%	30	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance	33%	50	10%	5
	Lab. Reports			10%	5
	Lab. Activities / Projects			--	--
	Final oral / practical exam			80%	40
Final Exam		47%	70		70
Total		100%	150		150

### Members of examination committee:

Dr. Ahmed El-Shafei ,Assoc. Prof. Ahmed M. ElMahalawy, Dr. Bassam Wasfi

- **Role of external evaluator:** See Appendix 2 in program specifications.

### 4.Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

### 5.Administrative constraints:

List any difficulties encountered: None

### 6.Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of . 69%

### 7.Comments from external evaluator(s):

Please look to appendix 2 in program specifications.

### 8.Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

#### • Progress on actions identified in the previous year's action plan:

Adding studying algorithm's complexity. Partially according allowed time.

Time of the course not enough, other universities do it in two terms. None

Students use websites for research and self-learning. DONE

**Action State whether completed and give reasons for any none-completion: None**



### 9.Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
None	2023/2024	Dr. Ahmed El-Shafei

Title	Name	Signature
Course coordinator	Dr. Ahmed El-Shafei	<i>Ahmed El-Shafei</i>
Program coordinator	Dr. Sahar kamal	<i>Sahar kamal</i>
Head of program	Associated.Prof. Ahmed ElMahalawy	<i>A.M. Elmahalawy</i>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Artificial Intelligence (AI)    **code:** BSM 492
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 1<sup>st</sup> semester
4. **Unit hours:**  
Lectures 2 hrs.    Tutorial 2 hrs.    Practical --.    Total 4 hrs.

### 5. Names of lecturers contributing to the delivery of the course

- **Course coordinator:** Assoc. Prof. Ahmed M. ElMahalawy
- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 86**
- **No. of students completing the course: 86**
- **Results:**

No. of students	State	Percentage
83	Pass	96.51%
3	Fail	3.49%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	5	23	54	3
Percentage				
1%	6%	27%	63%	3%

## C. Professional Information

### 1.Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: √	70-90 %:	<70%:
----------	----------	-------
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.1	√	√	√	√			√			√	√	
c2.1	√	√	√			√				√	√	√

### 3. Students' Assessment

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Attendance	c2.1, c1.1
2	Reports / Sheets	c2.1, c1.1
3	Quiz 1 / Quiz 2	c2.1, c1.1
4	Mid-term Exam	c2.1, c1.1
5	Oral / Practical Exam	-----
6	Final Exam	c2.1, c1.1

#### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam -(on-line)	10
5	Oral / Practical Exam	13
6	Final Exam	14

#### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	60	5%	3
	Reports / Sheets			5%	3
	Quiz 1 / Quiz 2			30%	18
	Mid-term Exam			60%	36
Final Exam		60%	90	100%	90
Total		100%	150		150

#### **Members of examination committee:**

Dr. Ahmed El-Shafei, Assoc. Prof. Ahmed M. ElMahalawy, Dr. Bassam Wasfi

**Role of external evaluator:** See Appendix 2 in program specifications.

#### **4. Facilities and teaching materials:**

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### **5. Administrative constraints:**

List any difficulties encountered: None

#### **6. Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of 73%

#### **7. Comments from external evaluator(s):**

Please look to appendix 2 in program specifications.

#### **8. Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

##### **• Progress on actions identified in the previous year's action plan:**

- 1- Apply practical projects using the course contents.
- 2- Students use websites for research and self-learning.

##### **• Action State whether completed and give reasons for any none-completion:**

- - for “ Search for new topics in this field” is done
- - for “ Develop the Simple artificial intelligence system according to the principles of the course” is not done because the students can't do the good system

**- Complete**

1- Students use websites for research and self-learning.

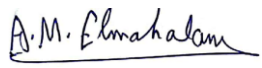

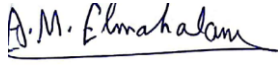
**- None-completion**

1- Apply practical projects using the course contents. (because of the short time of the term)

**9.Action plan for academic year 2023-2024**

Actions required	Completion date	Person responsible
Make an overview about Generative AI	2023/2024	Assoc. Prof. Ahmed M. ElMahalawy
Develop the Simple artificial intelligence system according to the principles of the course		

**Any notes can be added:** None

Title	Name	Signature
Course coordinator	Assoc. Prof. Ahmed M. ElMahalawy	
Program coordinator	Dr. Sahar kamal	
Head of program	Associated.Prof. Ahmed ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Selective Humanities Course (3)      **code:** HUM 404
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 1<sup>st</sup> semester
4. **Unit hours:**  
Lectures 2 hrs.      Tutorial 1 hrs      Practical -.      Total 3 hrs.

### 5. Names of lecturers contributing to the delivery of the course

- **Course coordinator:** Dr. Khalil Elkhamisy
- **-External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 87
- **No. of students completing the course:** 86
- **Results:**

No. of students	State	Percentage
86	Pass	100%
0	Fail	0%
1	Absence	1%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	54	28	3	0
Percentage				
1%	63%	33%	3%	0%

## C. Professional Information

### 1.Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: ✓	70-90 %:	<70%:
----------	----------	-------
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a3.2	✓	✓	✓	✓							✓	
a8	✓	✓	✓	✓						✓	✓	
a9.1	✓	✓	✓	✓						✓	✓	



### 3. Students' Assessment

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Attendance	a3.2, a8, a9.1
2	Reports / Sheets	a3.2, a8, a9.1
3	Quiz 1 / Quiz 2	a3.2, a8, a9.1
4	Mid-term Exam	a3.2, a8, a9.1
5	Oral / Practical Exam	-----
6	Final Exam	a3.2, a8, a9.1

#### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam -(on-line)	10
5	Oral / Practical Exam	13
6	Final Exam	14

#### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	40%	30	5%	2
	Reports / Sheets			5%	2
	Quiz 1 / Quiz 2			30%	9
	Mid-term Exam			60%	17
Final Exam		60%	70		70
Total		100%	100		100

#### Members of examination committee:

Dr. Khalil Elkhamsy ,Dr. Mohamed Edries, Dr. Bassam Wasfi.

Role of external evaluator: None

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

### 5. Administrative constraints:

List any difficulties encountered: None

### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of 79%

### 7. Comments from external evaluator(s):

Please look to appendix 2 in program specifications.

### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** Done
- **Action State whether completed and give reasons for any none-completion:**  
None

### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Assigning students to present some topics related to the course	2023/2024	Dr. Khalil Elkhamisy

Title	Name	Signature
Course coordinator	Dr. Khalil Elkhamisy	<i>Khalil Elkhamisy</i>
Program coordinator	Dr. Sahar kamal	<i>Sahar kamal</i>
Head of program	Associated.Prof. Ahmed ElMahalawy	<i>A.M. Elmahalawy</i>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Operating Systems **code:** CCE 494
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 2<sup>nd</sup> Semester
4. **Unit hours:**  
Lectures 2 hrs      Tutorial 1 hrs      Practical 2 hrs      Total 5 hrs

### 5. Names of lecturers contributing to the delivery of the course

- **Course coordinator:** Assoc. Prof. Ahmed M. ElMahalawy

**External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 86
- **No. of students completing the course:** 86
- **Results:**

No. of students	State	Percentage
86	Pass	100%
0	Fail	0%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
33	36	15	2	0

Percentage				
38%	42%	17%	2%	0%

## C. Professional Information

### 1.Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
  - >90 %: √
  - 70-90 %:
  - <70%:
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.1	√	√	√	√			√			√	√	
c1.2	√	√	√		√	√				√	√	√

### 3. Students' Assessment

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Attendance	c1.1, c1.2
2	Reports / Sheets	c1.1, c1.2
3	Quiz 1 / Quiz 2	c1.1, c1.2
4	Mid-term Exam	c1.1, c1.2
5	Oral / Practical Exam	c1.1, c1.2
6	Final Exam	c1.1, c1.2

#### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam-(on-line)	8
5	Oral / Practical Exam	16
6	Final Exam	17

#### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	30%	45	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	18
	Mid-term Exam			60%	27
Practical / Oral	Practical Attendance	30%	45	10%	4
	Lab. Reports			10%	5
	Lab. Activities / Projects			--	--
	Final oral / practical exam			80%	36
Final Exam		40%	60	100%	60
Total		100%	150		150

### Members of examination committee:

Dr. Ahmed El-Shafei , Assoc. Prof. Ahmed Elmahalawy , , Dr. Sahar kamal

**Role of external evaluator:** None

### 4.Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

### 5.Administrative constraints:

List any difficulties encountered: None

### 6.Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of . 71%

### 7.Comments from external evaluator(s):

Please look to appendix 2 in program specifications.

### 8.Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

#### • Progress on actions identified in the previous year's action plan:

- 1- Lab works using simulators.
- 2- Individual projects to implement modules to Linux environment.
- 3- Students use websites for research and self-learning.

#### • Action State whether completed and give reasons for any none-completion:

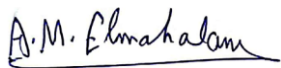

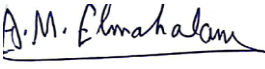
- - for “ Search for new topics in this field” is done
- - for “ Develop the algorithms according to the different parts of the course (as Scheduling, memory management)” is not done because the many holidays in this term.

- Complete

- 1- Lab works using simulators.
- 2- Individual projects to implement modules to Linux environment.
- 3- Students use websites for research and self-learning.

#### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Write a comparative study among different operating system and the idea to develop one.	2023/2024	Assoc. Prof. Ahmed M. ElMahalawy
Develop the algorithms according to the different parts of the course (as Scheduling, memory management)		

Title	Name	Signature
Course coordinator	Assoc. Prof. Ahmed M. ElMahalawy	
Program coordinator	Dr. Sahar kamal	
Head of program	Associated.Prof. Ahmed ElMahalawy	
Date	August 2023	



## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Computer Graphics **code:** CCE 495
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 2<sup>nd</sup> Semester
4. **Unit hours:**  
Lectures 2 hrs      Tutorial 2 hrs      Practical 2 hrs      Total 6 hrs

### 5. Names of lecturers contributing to the delivery of the course

- **Course coordinator:** Dr. Sahar Kamal
- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 86
- **No. of students completing the course:** 86
- **Results:**

No. of students	State	Percentage
86	Pass	100%
0	Fail	0%
0	Absence	0

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
8	27	32	19	0
Percentage				
9%	31%	37%	22%	0%

## C. Professional Information

### 1.Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: ✓	70-90 %:	<70%:
----------	----------	-------
- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
C1.1	✓	✓	✓	✓								
C1.2					✓	✓		✓		✓		✓

### 3. Students' Assessment

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Attendance	C1.1, C2.1
2	Reports / Sheets	C1.1, C2.1
3	Quiz 1 / Quiz 2	C1.1, C2.1
4	Mid-term Exam	C1.1, C2.1
5	Oral / Practical Exam	C1.1, C2.1
6	Final Exam	C1.1, C2.1

#### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam -(on-line)	8
5	Oral / Practical Exam	16
6	Final Exam	17

#### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	30%	45	-	--
	Reports / Sheets			-	--
	Quiz 1 / Quiz 2			30%	18
	Mid-term Exam			60%	27
Practical / Oral	Practical Attendance	30%	45	10%	4
	Lab. Reports			10%	5
	Lab. Activities / Projects			--	--
	Final oral / practical exam			80%	36
Final Exam		60%	60	100%	60
Total		100%	150		150

### Members of examination committee:

Dr. Sahar Kamal, Assoc. Prof. Ahmed Elmahalawy, Dr .Fathy Nour

**Role of external evaluator:** None

### 4.Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

### 5.Administrative constraints:

List any difficulties encountered: None

### 6.Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of 75 %.

### 7.Comments from external evaluator(s):

Please look to appendix 2 in program specifications.

### 8.Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.



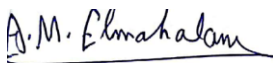
#### • Progress on actions identified in the previous year's action plan:

1. Needs computer graphics experiments.
2. Students use websites for research and self-learning.

#### • Action State whether completed and give reasons for any none-completion: Done

### 9.Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Add a new topic in computer graphics (Lighting )	2023/2024	Sahar Kamal

Title	Name	Signature
Course coordinator	Dr. Sahar kamal	
Program coordinator	Dr. Sahar kamal	
Head of program	Associated.Prof. Ahmed ElMahalawy	
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Selective Course (3)- Algorithm Analysis and Design **code:** CCE 424
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 2nd Semester
4. **Unit hours:**  
Lectures 2 hrs.      Tutorial -- hrs.      Practical 2 hrs      Total 4 hrs.

### 5. Names of lecturers contributing to the delivery of the course

- **Course coordinator:** Dr. Bassam wasfy
- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 87
- **No. of students completing the course:** 86
- **Results:**

No. of students	State	Percentage
86	Pass	100%
0	Fail	0%
1	Absence	1%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
13	22	27	24	0
Percentage				
15%	26%	31%	28%	0%

## C. Professional Information

### 1.Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: ✓	70-90 %:	<70%:
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- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
C1.1	✓	✓	✓		✓	✓	✓	✓		✓	✓	
C1.2	✓	✓	✓		✓	✓	✓	✓		✓	✓	

### 3. Students' Assessment

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Attendance	c1.1, c1.2
2	Reports / Sheets	c1.1, c1.2
3	Quiz 1 / Quiz 2	c1.1, c1.2
4	Mid-term Exam	c1.1, c1.2
5	Oral / Practical Exam	c1.1, c1.2
6	Final Exam	c1.1, c1.2

#### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam -(on-line)	8
5	Oral / Practical Exam	16
6	Final Exam	17

#### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	30%	30	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance	30%	30	10%	3
	Lab. Reports			10%	3
	Lab. Activities / Projects			-	-
	Final oral / practical exam			80%	24
Final Exam		60%	40	100%	40
Total		100%	100		100



### Members of examination committee:

Dr. Bassam Wasfy, Dr. Ahmed El-Shafei, Assoc. Prof. Ahmed M. ElMahalawy

**Role of external evaluator:** None

### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

### 5. Administrative constraints:

List any difficulties encountered: None

### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of 79%.

### 7. Comments from external evaluator(s):

Please look to appendix 2 in program specifications.

### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.

• **Progress on actions identified in the previous year's action plan:** Done

• **Action State whether completed and give reasons for any none-completion:**  
None.

*(Throughout the semester, we modified the action plan and focused on an application project rather than the specified action.)*

### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Including " Greedy algorithms, Dynamic programming, and K-nearest neighbors" as topics.	2023/2024	Dr. Bassam Wasfy

Title	Name	Signature
Course coordinator	Dr. Bassam Wasfy	<i>Bassam.W. AboShasha</i>
Program coordinator	Dr. Sahar kamal	<i>Sahar kamal</i>
Head of program	Prof. Dr. Salah El-Agoz	<i>S. Elagoz</i>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Selective Course (4)- Image Processing and Computer Vision **code:** CCE 428
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 2<sup>nd</sup> Semester
4. **Unit hours:**  
Lectures 2 hrs.      Tutorial -- hrs.      Practical 2      Total 4 hrs.
5. **Names of lecturers contributing to the delivery of the course**
  - **Course coordinator:** Dr.Bassam Wasfy
  - **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 86**
- **No. of students completing the course: 86**
- **Results:**

No. of students	State	Percentage
86	Pass	100%
0	Fail	0%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
9	17	34	26	0
Percentage				

10%	20%	40%	30%	0%
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## C. Professional Information

### 1.Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: √	70-90 %:	<70%:
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- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
C1.2	√	√	√		√	√	√	√		√	√	√
C2.2	√	√	√		√	√	√	√		√	√	√

### 3. Students' Assessment

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Attendance	c2.2, c1.2
2	Reports / Sheets	c2.2, c1.2
3	Quiz 1 / Quiz 2	c2.2, c1.2
4	Mid-term Exam	c2.2, c1.2
5	Oral / Practical Exam	c2.2, c1.2
6	Final Exam	c2.2, c1.2

#### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam-(on-line)	8
5	Oral / Practical Exam	16
6	Final Exam	17

#### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	30%	30	--	--
	Reports / Sheets			--	--
	Quiz 1 / Quiz 2			40%	12
	Mid-term Exam			60%	18
Practical / Oral	Practical Attendance	30%	30	10%	3
	Lab. Reports			10%	3
	Lab. Activities / Projects			-	-
	Final oral / practical exam			80%	24
Final Exam		60%	40	100%	40
Total		100%	100		100

### Members of examination committee:

Dr. Bassam Wasfy, Dr. Ahmed El-Shafei, Assoc. Prof. Ahmed M. ElMahalawy

**Role of external evaluator:** None

### 4. Facilities and teaching materials:

- Totally adequate: ✓
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

### 5. Administrative constraints:

List any difficulties encountered: None

### 6. Student evaluation of the course:

- Student evaluates for the course is satisfactory by percentage of 80%.

### 7. Comments from external evaluator(s):

Please look to appendix 2 in program specifications.

### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan:** Done
- **Action State whether completed and give reasons for any none-completion:**  
None. (*Throughout the semester, we modified the action plan and focused on an application project rather than the specified action.*)

### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Including " Image Compression and Feature Extraction and Representation" as topics.	2023/2024	Dr. Bassam wasfy

Title	Name	Signature
Course coordinator	Dr. Bassam Wasfy	<i>Bassam.W. Aboshosha</i>
Program coordinator	Dr. Sahar kamal	<i>Sahar kamal</i>
Head of program	Prof. Dr. Salah El-Agoz	<i>S. Elagoz</i>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Project Management **code:** HUM 442
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 2<sup>nd</sup> Semester
4. **Unit hours:**  
Lectures 2 hrs.      Tutorial 1 hrs.      Practical 0      Total 3 hrs.

### 5. Names of lecturers contributing to the delivery of the course

- **Course coordinator:** Dr. Mahoud elghorab
- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course:** 87
- **No. of students completing the course:** 86
- **Results:**

No. of students	State	Percentage
86	Pass	100%
0	Fail	0%
1	Absence	1%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
1	10	32	43	0
Percentage				
1%	12%	37%	50%	0%



## C. Professional Information

### 1.Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: √	70-90 %:	<70%:
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- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
a1.1	√	√	√	√						√		
a1.2	√			√						√		
a2.1	√		√	√						√		
a6.1	√	√	√	√						√		
a10	√	√	√	√						√		

### 3. Students' Assessment

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Attendance	a1.2, a2.1, a10
2	Reports / Sheets	a1.2, a2.1, a10
3	Quiz 1 / Quiz 2	a1.2, a2.1, a10
4	Mid-term Exam	a1.2, a2.1, a10
5	Oral / Practical Exam	-
6	Final Exam	a1.2, a2.1, a10

#### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Reports / Sheets	Bi-weekly
3	Quiz 1 / Quiz 2	11
4	Mid-term Exam -(on-line)	8
5	Oral / Practical Exam	-
6	Final Exam	17

#### 3.3 Weighting of Assessments (Grading System)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Attendance	30%	30	5%	2
	Reports / Sheets			5%	1
	Quiz 1 / Quiz 2			30%	9
	Mid-term Exam			60%	18
Final Exam		70%	70		70
Total		100%	100		100

#### Members of examination committee:

Dr. Mahmoud elghorab, Dr. Sahar Kamal , Dr . Bassam wasfy

Role of external evaluator: None

#### 4. Facilities and teaching materials:

- Totally adequate: √

- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### **5.Administrative constraints:**

List any difficulties encountered: None

#### **6.Student evaluation of the course:**

- Student evaluates for the course is satisfactory by percentage of 72%.

#### **7.Comments from external evaluator(s):**

Please look to appendix 2 in program specifications.

#### **8.Course enhancement:**

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan: not completed.**
  - **Action State whether completed and give reasons for any none-completion:**  
Performing time management analysis (PERT analysis) and cost management analysis for projects related to the actual labor market.

#### **9.Action plan for academic year 2023-2024**

<b>Actions required</b>	<b>Completion date</b>	<b>Person responsible</b>
Discussing project quality management and describing quality management planning. Also, discussing the importance of quality assurance.	2023/2024	Dr. Mahmoud elghorab

Title	Name	Signature
Course coordinator	Dr. Mahoud elghorab	Dr. <u>Mahmoud Elghorab</u>
Program coordinator	Dr. Sahar kamal	<u>Sahar kamal</u>
Head of program	Associated.Prof. Ahmed ElMahalawy	<u>A.M. Elmahalawy</u>
Date	August 2023	

## Annual Course Report (Academic Year 2022/2023)

### A. Basic Information

1. **Title and code:** Graduation Project **code:** (CCE 481 - CCE 482)
2. **Program(s) on which this course is given** Computer and Control Engineering
3. **Year/Level of program:** Fourth year, 1<sup>st</sup> and 2<sup>nd</sup> Semester
4. **Unit hours:**  
Lectures 2 hrs.      Tutorial -- hrs.      Practical 3      Total 5 hrs.

### 5. Names of lecturers contributing to the delivery of the course

**Course coordinator:** Dr. Ahmed El-Shafei

- **External evaluator:** Prof. Dr. El-Sayed Mahmoud El-Rabaei  
Prof. Dr. Osama Elsayed

### B. Statistical Information

- **No. of students attending the course: 87**
- **No. of students completing the course: 87**
- **Results:**

No. of students	State	Percentage
86	Pass	98.85%
1	Fail	1.15%
0	Absence	0%

Result Statistical				
Excellent	V. Good	Good	Pass	Fail
76	10	0	0	1
Percentage				
87%	11%	0%	0%	1%

## C. Professional Information

### 1.Course teaching:

- First Term.
- See Appendix 3.
- Topics taught as a percentage of the content specified:
 

>90 %: ✓	70-90 %:	<70%:
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- Reasons in detail for not teaching any topic: None
- If any topics were taught which are not specified, give reasons in detail: None

Learning Outcomes (LOs)	2.Teaching and Learning Methods(first term)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.1	✓	✓	✓			✓	✓	✓	✓	✓	✓	
c1.2	✓	✓	✓			✓	✓	✓	✓	✓	✓	
c2.2					✓	✓	✓	✓	✓	✓	✓	✓s
c3.2					✓	✓	✓	✓	✓	✓	✓	✓
c4.1					✓	✓	✓	✓	✓	✓	✓	✓

Learning Outcomes (LOs)	2. Teaching and Learning Methods (second term)											
	Lectures (face to face / online)	Presentation / Movies	Discussions	Tutorials	Practical and lab. experiments	Problem Solving	Brain Storming	Projects and Team Working	Site Visits	Research / Reports	Self-learning	Modeling and Simulation
c1.1	√	√	√			√	√	√	√	√	√	
c1.2	√	√	√			√	√	√	√	√	√	
c2.2					√	√	√	√	√	√	√	√s
c3.2					√	√	√	√	√	√	√	√
c4.1					√	√	√	√	√	√	√	√

3. Students' Assessment (first term)		
3.1 Students' Assessment Method		
No.	Assessment Method	Los
1	Seminar 1 to measure	c1.1, c1.2, c2.1, c2.2, c3.1, c4.1
2	Seminar 2 to measure	c1.1, c1.2, c2.1, c2.2, c3.1, c4.1
3	Project to measure	c1.1, c1.2, c2.1, c2.2, c3.1, c4.1
4	Oral exam to measure	c1.1, c1.2, c2.1, c2.2, c3.1, c4.1
3.2 Assessment Schedule		
No.	Assessment Method	Weeks
1	Seminar 1	In the begin of semester
2	Seminar 2	In the middle of second semester
3	Project	During the year
4	Oral exam	After final exam

### 3. Students' Assessment (second term)

#### 3.1 Students' Assessment Method

No.	Assessment Method	Los
1	Seminar 1 to measure	c2.1, c3.1, c3.2, c4.1
2	Seminar 2 to measure	c2.1, c3.1, c3.2, c4.1
3	Project to measure	c2.1, c3.1, c3.2, c4.1
4	Oral exam to measure	c2.1, c3.1, c3.2, c4.1

#### 3.2 Assessment Schedule

No.	Assessment Method	Weeks
1	Seminar 1	In the begin of semester
2	Seminar 2	In the middle of second semester
3	Project	During the year
4	Oral exam	After final exam

#### 3.3 Weighting of Assessments (Grading System)(first term)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Seminar 1	40%	20	--	--
	Supervisor			--	--
Practical / Oral	Seminar 2	60%	30		
	Supervisor				
	Final oral representation				
Total		100%	50		

#### 3.3 Weighting of Assessments (Grading System)(second term)

Distribution of Grades	Assessment Method	Grade Distribution Weights (%)	Weights (Degree)	Weights (%) of each Assessment	Weights (Degree)
Teacher Opinion	Seminar 2	52%	70	--	--
	Supervisor			--	--
Practical / Oral	Seminar 2	48%	180		
	Supervisor				
	Final oral representation				
Total		100%	250		



#### Members of examination committee:

- According to the composition of the final discussion committee.

**Role of external evaluator:** None

#### 4. Facilities and teaching materials:

- Totally adequate: √
- Adequate to some extent:
- Inadequate:
- List any inadequacies:

#### 5. Administrative constraints:

List any difficulties encountered: None

#### 6. Student evaluation of the course:

- CCE 481 Student evaluates for the course is satisfactory by percentage of 86 %.
- CCE 482 Student evaluates for the course is satisfactory by percentage of 88%.

#### 7. Comments from external evaluator(s):



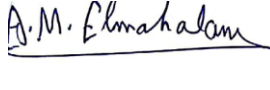
Please look to appendix 2 in program specifications.

#### 8. Course enhancement:

- Working in the hybrid education system (face to face / online).
- All courses were converted to electronic courses, where the E-learning platform (Moodle) was used to upload the courses contents.
- The exams were held electronically remotely (mid-term exams - quizzes - etc.), in addition all the student's assignments and reports uploaded through the E-learning platform (Moodle).
- Microsoft teams' program was used to broadcast lectures remotely.
- **Progress on actions identified in the previous year's action plan: Done**
- **Action State whether completed and give reasons for any none-completion: Done**

### 9. Action plan for academic year 2023-2024

Actions required	Completion date	Person responsible
Develop an intelligence system in real time environment	2023/2024	Dr. Ahmed El-Shafei

Title	Name	Signature
Course coordinator	Dr. Ahmed El-Shafei	
Program coordinator	Dr. Sahar kamal	
Head of program	Associated.Prof. Ahmed ElMahalawy	
Date	August 2023	