10- Course Specification of: Electrical Power Quality Course Code (PME549)

	I. General Information About the Course:						
1.	Course Title:		Electric	al Power Quality			
2.	Course Code and Number:	PME549					
			Credit	Hours	Total		
3.	Credit Hours:	Lecture	Practical	Seminar/Tutorial	Total		
		3	-	-	3		
4.	Study Level and Semester:		2 ^{nc}	¹ Semester			
5.	Pre-requisites (if any):	Power Electronics, Renewable E					
		Technologies.					
6.	Co-requisites (if any):	None					
7.	Program (s) in which the course is	MSc. in E	Electrical Po	wer Engineering Pr	ogram		
8	I anguage of teaching the course:	English					
9	Study System.	Courses &	& Thesis				
10	Prenared Rv.	Dr Adel	Ahmed Al-9	Shakiri			
1	Reviewed by:	Prof Dr. Omar Hassan Al-Sakaf					
12.	Date of Approval:						

II. Course Description:

Both electric utilities and end users of electric power are becoming increasingly concerned about the quality of electric power. Newer-generation load equipment, with microprocessor-based controls and power electronic devices, is more sensitive to power quality variations than was equipment used in the past. The increasing emphasis on overall power system efficiency has resulted in continued growth in the application of devices such as high-efficiency, adjustable-speed motor drives and shunt capacitors for power factor correction to reduce losses. This is resulting in increasing harmonic levels on power systems.

This course provides an introduction to power quality and harmonics phenomena in electric power systems. It covers topics such as voltage sags, electrical transients, harmonics, mitigation techniques, and standards of power quality and harmonics.

III. Course Intended Learning Outcomes (CILOs):

Upon successful completion of Electrical Power Quality Course, the graduates will be able to:

- al Understand issues on power quality phenomena, classifications, measuring and monitoring methods and mitigation techniques.
- a2 Recognize the effects of power quality in modern power systems in the supply and demand side.
- a3 Define the problems and factors dealing with power quality issues.
- b1 Evaluate parameters of the equipment needed to diagnose power in order to determine quality and the presence of harmonics.
- b2- Analyze the power quality characteristics to select the suitable components for a better power quality.
- c1- Apply specialist technical tools to determine power quality and harmonics in a variety of contexts.

- c2- Develop specialist practices to ensure efficiency in both transmission and distribution of quality power.
- c3 Compare different standards and safety codes related to calculation of power quality parameters.
- d1- Acquire new advanced knowledge related to power quality and power system in general.
- d2 Demonstrate, independently and in groups, the ability to plan, organize and implement a power quality project based on a problem of relevance to efficiency of power system.

IV. Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs)

	CILOs	PILOs		
a.	Knowledge and Understanding: Upon	A. Knowledge and Understanding:		
	successful completion of the Electrical	Upon successful completion of the		
	Power Quality Course, the graduates will	MSc. in Electrical Power		
	be able to:	Engineering Program, the graduates will be able to:		
a1.	Understand issues on power quality	A1. Demonstrate in-depth understanding of		
	phenomena, classifications, measuring	the theory and practice of modern		
	and monitoring methods and mitigation	electrical power systems design and		
	techniques.	operation and system identification.		
a2.	Recognize the effects of power quality in	A2. Recognize and comprehend the key role		
	modern power systems in the supply and	of sustainable energy for national and global		
	demand side.	sustainable development.		
a3.	Define the problems and factors dealing	A3. Explain in detail the key considerations		
	with power quality issues. and challenges of sustainable de			
		development of modern electrical power		
		system components.		
b. Cog	nitive/ Intellectual Skills: Upon successful	B. Cognitive/ Intellectual Skills: Upon		
com	pletion of the Electrical Power Quality	successful completion of the MSc. in		
Cou	rse , the graduates will be able to:	Electrical Power Engineering Program,		
	1	the graduates will be able to:		
b1.	Evaluate parameters of the equipment	B1. Identify and apply specialized knowledge		
	needed to diagnose power in order to	and skills to solve problems that are		
	determine quality and the presence of	business.		
	harmonics.			
b2.	Analyze the power quality characteristics	B2. Critically review the scientific literature		
	to select the suitable components for a	results and decisions		
D	better power quality.			
c. Pro	ressional and Practical Skills: Upon	C. Professional and Practical Skills: Upon		
succ	essitul completion of the Electrical Power	successful completion of the MSc. in		
Qua	Inty Course, the graduates will be able to:	Electrical Power Engineering Program,		
		the graduates will be able to:		

1 1		
cl.	Apply specialist technical tools to	C1. Apply modern tools for research,
	determine power quality and harmonics in	computation, simulation, analysis, and
	a variety of contexts.	design of modern power systems
c2.	Develop specialist practices to ensure efficiency in both transmission and distribution of quality power.	C2. Recognize the interdisciplinary nature of technical problems and apply other areas of knowledge to the solution, and work with other professions to arrive at a solution for complex engineering problems.
c3.	Compare different standards and safety codes related to calculation of power quality parameters.	C3 Employ design standards and safety codes as an integral part of the design and building process for machine parts and systems.
d. Tra	nsferable Skills: Upon successful	D. Transferable Skills: Upon successful
com	pletion of the Electrical Power Ouality	completion of the MSc. in Electrical
Соц	rse. the graduates will be able to:	Power Engineering Program. the
0.00	iso, the graduates will be dole to:	Tower Engineering Trogram, and
		graduates will be able to:
d1.	Acquire new advanced knowledge related to power quality and power system in general	graduates will be able to: D1. Demonstrate leadership skills in the workplace, to function professionally in a globally competitive world, and to communicate engineering results effectively

V. Alignment of CILOs to Teaching and Assessment Strategies					
a.	Alignment of Knowledge and Underst	tanding CILOs:			
	Knowledge and Understanding CILOs	Teaching Strategies A	ssessment Strategies		
a1.	Understand issues on power quality phenomena, classifications, measuring and monitoring methods and mitigation techniques.	Lectures,Self-Learning	Written Exam,		
a2.	Recognize the effects of power quality in modern power systems in the supply and demand side.	 Lectures, Seminars, Self-Learning Problems/Studies, 	Written Exam, Assignments		
a3.	Define the problems and factors dealing with power quality issues.	 Lectures, Case study, 	Written Exam, Assignments		
b.	Alignment of Intellectual Skills CILO	s:			
	Intellectual Skills CILOs	Teaching Strategies	Assessment Strategies		
b1.	Evaluate parameters of the equipment needed to diagnose power in order to determine quality and the presence of harmonics.	Lectures,Simulation Exercises,Analysis and Problem Solving,	Reports,Survey,Written Exam,Assignments		

b2.	Analyze the power quality characteristics to select the suitable components for a better power quality	 Reports, Survey, Written Exam, Assignments 	
F	Professional and Practical Skills CILOs	Teaching Strategies	Assessment Strategies
c1.	Apply specialist technical tools to determine power quality and harmonics in a variety of contexts.	 Lectures, Case Study, Simulation Exercises, 	 Written Research Proposal,
c2.	Develop specialist practices to ensure efficiency in both transmission and distribution of quality power.	Lectures,Case Study,Simulation Exercises,	 Written Research Proposal
c3.	Compare different standards and safety codes related to calculation power quality parameters.	 Lectures, Case Study, Analysis and Problem Solving, 	 Seminar Report, Written Research Proposal,
d	. Alignment of Transferable (Genera	l) Skills CILOs:	
	Transferable (General) Skills CILOs	Teaching Strategies	Assessment Strategies
d1.	Acquire new advanced knowledge related to power quality and power system in general	 Dissertation Defenses and Presentation, Independent Study, Presenting Researches, Publish Research Papers. 	 Written Research Proposal Written Exam, Assignments, Survey, Written Report.
d2.	Demonstrate, independently and in groups, the ability to plan, organize and implement a power quality- project based on a problem of relevance to efficiency of power system.	 Dissertation Defenses and Presentation, Independent Study, Presenting Researches, Publish Research Papers. 	 Written Research Proposal Assignments, Written Report.

VI. Course Content							
1.	Theoretical Aspec	t					
Order	Topic List / Units	Sub -Topics List	Number of Weeks	Contact Hours	Course ILOs		
1	Introduction: Power Quality Terms, Definitions and Standards.	 What's Power Quality? Power Quality-Voltage Quality Why we are concerned about Power Quality. The Power Quality evaluation procedure General classes of power quality problems. Transients. Long duration voltage variations. Short-duration voltage variations. Voltage imbalance Waveform distortion, voltage fluctuations, Power frequency variations, power quality standards and terms. 	1	3	a.1, a.2, b.1, b.2		
2	Voltage Sags and Interruption	 Sources of Sags and Interruptions Estimating Voltage Sag Performance Fundamental Principles of Protection Solutions at the End-User Level Motor-Starting Sags Utility System Fault-Clearing Issues 	2	6	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2		
3	Transient Overvoltages.	 Sources of Transient Overvoltages Principles of Overvoltage Protection Devices for Overvoltage Protection Utility Capacitor-Switching Transients Utility System Lightning Protection Managing Ferroresonance Switching Transient Problems with Loads Computer Tools for Transients Analysis 	2	6	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2		
4	Fundamentals of Harmonics.	 Harmonic Distortion Voltage versus Current Distortion Harmonics versus Transients Harmonic Indexes Harmonic Sources from Commercial Loads Harmonic Sources from Industrial Loads Locating Harmonic Sources System Response Characteristics Effects of Harmonic Distortion Interharmonics 		6	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2		
		Mid-Term Exam	1	3	All		

		 Harmonic Distortion Evaluations Principles for Controlling Harmonics 			
5	Applied Harmonics	 Where to Control Harmonics Harmonic Studies Devices for Controlling Harmonic Distortion Harmonic Filter Design: A Case Study Case Studies Standards of Harmonics 	1	3	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2
6	Long Duration Voltage Variations.	 Principles of Regulating the Voltage Devices for Voltage Regulation Utility Voltage Regulator Application Capacitors for Voltage Regulation End-User Capacitor Application Regulating Utility Voltage with Distributed Resources Flicker 	1	3	a.1, a.2, b.1, b.2, , c.1, c.2, d.1, d.2
7	Power Quality Benchmarking	 Benchmarking Process RMS Voltage Variation Indices Harmonics Indices Power Quality Contracts Power Quality Insurance Power Quality State Estimation Including Power Quality in Distribution Planning 	1	3	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2
8	Distributed Generation DG and Power Quality	 Resurgence of DG DG Technologies Interface to the Utility System Power Quality Issues Operating Conflicts DG on Distribution Networks Siting DG Distributed Generation Interconnection Standards 	2	6	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2
9	Wiring and Grounding	 Resources Definitions Reasons for Grounding Typical Wiring and Grounding Problems Solutions to Wiring and Grounding Problems 	1	3	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2
10	 Monitoring Considerations Historical Perspective of Power Quality Measuring Instruments Power Quality Measurement Equipment Assessment of Power Quality Measurement Data Application of Intelligent Systems Power Quality Monitoring Standards 		1	3	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2
		Final Exam	1	3	All
	Number of Wee	ks /and Contact Hours Per Semester	16	48	

2.	Practical Aspect NA			
Order	Practical / Tutorials topics	Number of Weeks	Contact Hours	Course ILOs
1	•			
2	•			
	Number of Weeks /and Contact Hours Per Semester			

3.	Tutorial Aspect:	N	A			
No.		Tutorial		Number of Weeks	Contact Hours	Learning Outcomes (<u>C</u> ILOs)

VII. Teaching Strategies:

- Lectures,
- Seminars,
- Self-Learning
- Presentations,
- Case studies
- Analysis and Problem Solving,
- Simulation Exercises

VIII. Assessment Methods of the Course:

- Assignments
- Reports,
- Written Exams.

IX	IX.Tasks and Assignments:						
No	Assignments/ Tasks	Individual/ Group	Mark	Week Due	CILOs (symbols)		
1	Research work	Individual	10	3. 5, 7, 9	a1, a2, b1, b2, d1, d2		
2	Mini-Project	Group	10	11	a1, a2, b1, b2, d1, d2		
3	Case studies	Group	5	6, 8	a1, a2, b1, b2, d1, d2		
4	Presentations	Individual	5	2, 4, 6, 8, 10, 12	a1, a2, b1, b2, d1, d2		
	Total Score			==			

X.	X. Learning Assessment:						
No.	Assessment Tasks	Week due	Mark	Proportion of Final Assessment	CILOs		
1	Tasks and Assignments	3,4,5,6	30	20%	a1, a2, b1, b2, d1, d2		
2	Quizzes	7,9,11,13	15	10%	a1, a2, b1, b2, c1, c2, c3		
3	Midterm Exam	8	30	20%	All		

5	Final Exam (Theoretical)	16	75	50%	All
Total		150	100%	===	

XI. Lea	XI. Learning Resources :					
	1. Required Textbook(s):					
1.	Dugan Roger C, McGranaghan M F, Santoso S and Beaty H Wayne, Electrical Power Systems					
	Quality, 3 rd edition, McGraw-Hill, 2012.					
2.	C. Sankaran, Power Quality, CRC Press LLC 2002.					
	2. Essential References:					
1.	Alexander Kusko, Marc T. Thompson, Power Quality in Electrical Systems, McGraw- Hill, 2007.					
2.	Barry W. Kennedy, Power Quality Primer, McGraw-Hill, 2000.					
	3. Electronic Materials and Web Sites etc.					
1.	Course Power Point.					
2.	Video clips.					
3.	Links to information resources.					

• الصوابط والسياسات المنبغة في المغرر Course Policies	
بعد الرجوع للوائح الجامعة يتم كتابة السياسة العامة للمقرر فيما يتعلق بالآتي:	
سياسة حضور الفعاليات التعليمية Class Attendance:	1
 يلتزم الطالب بحضور 75% من المحاضرات ويحرم في حال عدم الوفاء بذلك. 	
 يقدم أستاذ المقرر تقريرا بحضور وغياب الطلاب للقسّم ويحرم الطالب من دخول الامتحان في حال تجاوز الغياب 25% 	
ويتم اقرار الحرمان من مجلس القسم.	
الحضور المتأخر Tardy:	2
 يسمح للطالب حضور المحاضرة إذا تأخر لمدة ربع ساعة لثلاث مرات في الفصل الدراسي، وإذا تأخر زيادة عن ثلاث 	
مرات يحذر شفويا من أستاذ المقرر، وعند عدم الالتزام يمنع من دخول المحاضرة.	
ضوابط الامتحان Exam Attendance/Punctuality:	3
 لا يسمح للطالب دخول الامتحان النهائي إذا تأخر مقدار (20) دقيقة من بدء الامتحان 	
 إذا تغيب الطالب عن الامتحان النهائي تُطبق اللوائح الخاصة بنظام الامتحان في الكلية. 	
التعيينات والمشاريع Assignments & Projects:	4
ـ يحدد أستاذ المقرر نوع التعيينات في بداية الفصل ويحدد مواعيد تسليمها وضوابط تنفيذ التكليفات وتسليمها.	
– إذا تأخر الطالب في تسليم التكليفات عن الموعد المحدد يحرم من درجة التكليف الذي تأخر في تسليمه.	
الغش Cheating:	5
ـ في حال ثبوت قيام الطالب بالغش في الامتحان النصفي أو النهائي تطبق عليه لائحة شؤون الطلاب.	
 - في حال تُبوت قيام الطالب بالغش أو النقل في التكليفات والمشاريع يحرم من الدرجة المخصصة للتكليف. 	
الانتحال Plagiarism:	6
– في حالة وجود شخص ينتحل شخصية طالب لأداء الامتحان نيابة عنه تطبق اللائحة الخاصة بذلك	
سیاسات آخری Other policies:	7
 أي سياسات أخرى مثل استخدام الموبايل أو مواعيد تسليم التكليفات الخ 	

<u>Course Plan (Syllabus</u>): Electrical Power Quality

I. Information about Faculty Member Responsible for the Course:							
Name Dr. AdelAl-Shakiri Office Hours							
Location & Telephone No.	Faculty of Engineering, 772771672	SAT	SUN	MON	TUE	WED	THU
E-mail	ashakiri62@gmail.com						

II.	. General information about the course:							
1.	Course Title		Electrical Power Quality					
2.	Course Code and Number		F	PME549				
			Credit H	ours	Total			
3.	Credit Hours	Lecture	Practical	Seminar/Tutorial	Total			
		3	-	-	3			
4.	Study Level and Semester		2 nd	Semester				
5.	Pre-requisites	Power B	Electronics, Re	enewable Energy Tech	hnologies.			
6.	Co –requisite	None						
7.	Program (s) in which the course is offered	MSc. In Electrical Power Engineering Program						
8.	Language of teaching the course	English						
9.	Location of teaching the course	Electrical Engineering Department						

III.Course Description:

Both electric utilities and end users of electric power are becoming increasingly concerned about the quality of electric power. Newer-generation load equipment, with microprocessor-based controls and power electronic devices, is more sensitive to power quality variations than was equipment used in the past. The increasing emphasis on overall power system efficiency has resulted in continued growth in the application of devices such as high-efficiency, adjustable-speed motor drives and shunt capacitors for power factor correction to reduce losses. This is resulting in increasing harmonic levels on power systems.

This course provides an introduction to power quality and harmonics phenomena in electric power systems. It covers topics such as voltage sags, electrical transients, harmonics, mitigation techniques, and standards of power quality and harmonics.

IV. Course Intended Learning Outcomes (CILOs):

Upon successful completion of Electrical Power Quality Course, the graduates will be able to:

- a1 Understand issues on power quality phenomena, classifications, measuring and monitoring methods and mitigation techniques.
- a2 Recognize the effects of power quality in modern power systems in the supply and demand side.
- a3 Define the problems and factors dealing with power quality issues.

- b1 Evaluate parameters of the equipment needed to diagnose power in order to determine quality and the presence of harmonics.
- b2- Analyze the power quality characteristics to select the suitable components for a better power quality.
- c1- Apply specialist technical tools to determine power quality and harmonics in a variety of contexts.
- c2- Develop specialist practices to ensure efficiency in both transmission and distribution of quality power.
- c3 Compare different standards and safety codes related to calculation of power quality parameters.
- d1- Able to acquire new advanced knowledge related to power quality and power system in general.
- d2 Demonstrate, independently and in groups, the ability to plan, organize and implement a power quality project based on a problem of relevance to efficiency of power system.

V. Co	ourse Content:			
	• Th	eoretical Aspect:		
Order	Units	Sub Topics	Week Due	Contact Hours
1	Introduction: Power Quality Terms, Definitions and Standards.	 What's Power Quality? Power Quality-Voltage Quality Why we are concerned about Power Quality. The Power Quality evaluation procedure General classes of power quality problems. Transients. Long duration voltage variations. Short-duration voltage variations. Voltage imbalance Waveform distortion, voltage fluctuations, Power frequency variations, power quality standards and terms. 	1	3
2	Voltage Sags and Interruption	 Sources of Sags and Interruptions Estimating Voltage Sag Performance Fundamental Principles of Protection Solutions at the End-User Level Motor-Starting Sags Utility System Fault-Clearing Issues 	2,3	6
3	Transient Overvoltages.	 Sources of Transient Overvoltages Principles of Overvoltage Protection Devices for Overvoltage Protection Utility Capacitor-Switching Transients Utility System Lightning Protection Managing Ferroresonance Switching Transient Problems with Loads Computer Tools for Transients Analysis 	4,5	6
4	Fundamentals of Harmonics.	 Harmonic Distortion Voltage versus Current Distortion Harmonics versus Transients Harmonic Indexes Harmonic Sources from Commercial Loads Harmonic Sources from Industrial Loads Locating Harmonic Sources System Response Characteristics Effects of Harmonic Distortion Interharmonics 	6,7	6
		Mid-Term Exam	8	3
5	Applied Harmonics	 Harmonic Distortion Evaluations Principles for Controlling Harmonics Where to Control Harmonics Harmonic Studies Devices for Controlling Harmonic Distortion Harmonic Filter Design: A Case Study 	9	3

		Final Exam	16	3
10	Power Quality Monitoring	 Monitoring Considerations Historical Perspective of Power Quality Measuring Instruments Power Quality Measurement Equipment Assessment of Power Quality Measurement Data Application of Intelligent Systems Power Quality Monitoring Standards 	15	3
9	Wiring and Grounding	 Resources Definitions Reasons for Grounding Typical Wiring and Grounding Problems Solutions to Wiring and Grounding Problems 	14	3
8	Distributed Generation and Power Quality	 Resurgence of DG DG Technologies Interface to the Utility System Power Quality Issues Operating Conflicts DG on Distribution Networks Siting DG Distributed Generation Interconnection Standards 	12,13	6
7	Power Quality Benchmarking	 Benchmarking Process RMS Voltage Variation Indices Harmonics Indices Power Quality Contracts Power Quality Insurance Power Quality State Estimation Including Power Quality in Distribution Planning 	11	3
6	Long Duration Voltage Variations.	 Principles of Regulating the Voltage Devices for Voltage Regulation Utility Voltage Regulator Application Capacitors for Voltage Regulation End-User Capacitor Application Regulating Utility Voltage with Distributed Resources Flicker 	10	3
		 Case Studies Standards of Harmonics 		

	Practical Aspect NA			
Order	Practical / Tutorials topics	Number of Weeks	Contact Hours	Course ILOs
1	•			
2	•			
	Number of Weeks /and Contact Hours Per Semester			

•	Training/ Tutorials/ Exercises Aspects	: NA			
Order	Tutorials/ Exercises	Week Due	Contact Hours		
1					
2					
Numb	Number of Weeks /and Contact Hours Per Semester				

VI. Teaching Strategies:

- Lectures,
- Seminars,
- Self-Learning
- Presentations,
- Case studies
- Analysis and Problem Solving,
- Simulation Exercises

VII.Assessment Methods of the Course:

- Assignments
- Reports,
- Written Exams.

VII	VIII. Tasks and Assignments:						
No	Assignments	Individual /Groups	Mark	Week Due			
1	Research works	Individual	10	3. 5, 7, 9			
2	Mini/Major Project	Group	10	11			
3	Case studies	Group	5	6, 8			
4	4 Presentations Individual			2, 4, 6, 8, 10, 12			
	Total Score		30				

IJ	IX. Learning Assessment:						
No	Assessment Method	Week Due	Mark	Proportion of Final Assessment %			
1	Tasks and Assignments	3,4,5,6	30	20%			
2	Quizzes	7,9,11,13	15	10%			
3	Midterm Exam	8	30	20%			
5	Final Exam (Theoretical)	75	50%				
	Total ^ا لمجموع	150	100 %				

X. L	earning Resources:
	1. Required Textbook(s) :
1.	Dugan Roger C, McGranaghan M F, Santoso S and Beaty H Wayne, Electrical Power Systems
	Quality, 3 rd edition, McGraw-Hill, 2012.
2.	C. Sankaran, Power Quality, CRC Press LLC 2002.
2.	Essential References:
1.	Alexander Kusko, Marc T. Thompson, Power Quality in Electrical Systems, McGraw- Hill, 2007.
2.	Barry W. Kennedy, Power Quality Primer, McGraw-Hill, 2000.
3.	Electronic Materials and Web Sites etc.
1.	Course Power Point.
2.	Video clips.
3.	Links to information resources.

الضوابط والسياسات المتبعة في المقرر Course Policies	.XI
بعد الرجوع للوائح الجامعة يتم كتابة السياسة العامة للمقرر فيما يتعلق بالآتي:	1
سياسة حضور الفعاليات التعليمية Class Attendance <u>:</u>	1
 يلتزم الطالب بحضور 75% من المحاضرات ويحرم في حال عدم الوفاء بذلك. 	
ا - يقدم أسـتاذ المقرر تقريرا بحضـور وغياب الطلاب للقسَّم ويحرم الطالب من دخول الامتحان في حال تجاوز الغياب 25%	
ويتم اقرار الحرمان من مجلس القسم.	
الحضور المتأخر Tardy:	2
ا - يسمح للطالب حضور المحاضرة إذا تأخر لمدة ربع ساعة لثلاث مرات في الفصل الدراسي، وإذا تأخر زيادة عن ثلاث	
مرات يحذر شفويا من أستاذ المقرر، وعند عدم الالتزام يمنع من دخول المحاضرة.	
ضوابط الامتحان Exam Attendance/Punctuality:	3
- لا يسمح للطالب دخول الامتحان النهائي إذا تأخر مقدار (20) دقيقة من بدء الامتحان	
 إذا تغيب الطالب عن الامتحان النهائي تطبق اللوائح الخاصة بنظام الامتحان في الكلية. 	
التعيينات والمشاريع Assignments & Projects:	4
 يحدد أستاذ المقرر نوع التعيينات في بداية الفصل ويحدد مواعيد تسليمها وضوابط تنفيذ التكليفات وتسليمها. 	
 إذا تأخر الطالب في تسليم التكليفات عن الموعد المحدد يحرم من درجة التكليف الذي تأخر في تسليمه. 	
الغش Cheating:	5
 _ في حال ثبوت قيام الطالب بالغش في الامتحان النصفي أو النهائي تطبق عليه لائحة شوّ ون الطلاب.	
 ـ في حال تُبوت قيام الطالب بالغش أو النقل في التكليفات والمشاريع يحرم من الدرجة المخصصة للتكليف. 	
الانتحال Plagiarism:	6
سياسات أخرى Other policies:	7
- أي سياسات أخرى مثل استخدام الموبايل أو مواعيد تسليم التكليفات الخ	

