8- Course Specification of: Soft Skills for Project Managers Course Code (CE595)

XI.	XI. General Information About the Course:							
13.	Course Title:	Soft Skills for Project Managers						
14.	Course Code and Number:	CE595						
			Credit	Hours	Total			
15.	Credit Hours:	Lecture	Practical	Seminar/Tutorial	Total			
		4	-	-	4			
16.	Study Level and Semester:	Second S	emester					
17.	Pre-requisites (if any):	-						
18.	Co-requisites (if any):	-						
19.	Program (s) in which the course is offered:	MSc. in Engineering Project Management						
20.	Language of teaching the course:	English a	nd/or Arabio	2				
21.	Study System:	Courses & Thesis						
22.	Prepared By:	Prof. Dr. Eng. Omar H. Al-Sakaf						
23.	Reviewed by:	Prof. Dr. Wael Al-Aghbari						
24.	Date of Approval:							

XII. Course Description:

This course is about transversal (also denoted as soft) skills. It discusses what is talent, and to what extent success in professional life depends on non-technical skills. Technical skills are the stones to build your professionality, but soft skills are the cement. Soft skills form an essential component of education and training programs for students, whether they are enrolled in a degree in Engineering, Science, Economy, Law, Language, or whatever else. Students will learn how to acquire the necessary skills to be a successful engineer. In particular, non-technical (soft skills) are discussed; among them, emphasis will be given to inductive/deductive/analytical/design reasoning, to communication skills and employability. Motivated by this, the course in particular addresses the topics of project management and soft skills, cognitive/intellectual processes and soft skills, employability, learning skills, inter-personal communication, team working and leadership, and effective problem-solving and decision-making. The course will also address the issue of the new competences and professionalities required by the 4th industrial revolution (Industry 4.0).

XIII. Course Intended Learning Outcomes (CILOs):

Upon successful completion of **Soft Skills for Project Managers** Course, the graduates will be able to:

- a1 Recognize the importance of soft skills as success skills for project managers and teams in particular and for engineers in general.
- a2 Identify the key characteristics of soft skills.
- b1 Develop effective approaches and solutions to solve problems, conflicts and other issues faced throughout the project life cycle.
- b2 Create appropriate examples and culture of mutual respect, team work, active participation

- and commitment, motivation and positive attitudes through project management teams and project stakeholders to contribute to project success.
- c1 Apply soft skills effectively to a variety of professional settings throughout the project cycle.
- c2 Exercise management and leadership skills in the conduct of programs and projects of various size, scope, and complexity.
- d1 Become more effective through goal/target setting, self-motivation and practicing creative thinking.
- d2 Generate a positive and flexible approach to lifelong learning and employability.

	XIV. Alignment of Course Intended Learning Outcomes (CILOs) to Program					
	Intended Learning Outcomes (PILOs)	DII O			
	CILOs	M	PILOs			
m.	Knowledge and Understanding: Upon accessful completion of the Soft Skills for	M.	Knowledge and Understanding: oon successful completion of the MSc.			
	roject Managers Course, the graduates will		rogram in Engineering Project			
	e able to:		anagement, the graduates will be able			
		to	3 . 3			
a1.	Recognize the importance of soft skills as success skills for project managers and	A1.	Describe the various project management knowledge areas.			
	teams in particular and for engineers in general. A		Demonstrate knowledge and understanding of planning, analysis, supervision and monitoring and control of works related to the engineering disciplines.			
a2.	Identify the key characteristics of soft skills.	A3.	Demonstrate knowledge and understanding of methodology, research planning, and analysis techniques.			
		A4.	Demonstrate knowledge and understanding of skills and techniques of engineering and management to execute contemporary projects and operations effectively and efficiently			
n. C	ognitive/ Intellectual Skills: Upon successful	N.C	ognitive/ Intellectual Skills: Upon			
cc	empletion of the Soft Skills for Project	su	ccessful completion of the MSc.			
M	fanagers Course, the graduates will be able		ogram in Engineering Project			
to	:	to:	anagement, the graduates will be able			
b1.	Develop effective approaches and solutions to solve problems, conflicts and other issues faced throughout the project life cycle.	B1.	Identify, analyze, formulate, and solve engineering problems that involve constrained resources considering factors such as socio-economic, environmental, health and safety.			
b2.	Create appropriate examples and culture of mutual respect, team work, active	B2.	Critically evaluate decision making techniques to aid management			

	participation and commitment, motivation		judgement;		
	and positive attitudes through project management teams and project stakeholders to contribute to project success.	183	thinking with	analytical and critical respect to the planning of design and development	
o. Professional and Practical Skills: Upon successful completion of the Soft Skills for Project Managers Course, the graduates will be able to:			successful c	l and Practical Skills: completion of the MSc. Engineering Project graduates will be able to:	
c1.	Apply soft skills effectively to a variety of professional settings throughout the project cycle.			ertly several different used in the management f projects.	
c2.	Exercise management and leadership skills in the conduct of programs and projects of various size, scope, and complexity.	f	effectively t assess thei including	terpret, and use data to make decisions and ir associated impacts socio-economic, al, health and safety.	
	various size, scope, and complexity.	C3.		execute, and close out a ring project management	
co	ransferable Skills: Upon successful mpletion of the Soft Skills for Project anagers Course, the graduates will be able to the state of	t co Er	mpletion of	Skills: Upon successful the MSc. Program in roject Management, the able to:	
d1.	Become more effective through goal/targe setting, self-motivation and practicing creative thinking.	1		mplete thesis and reports, ideas clearly and defend	
d2.	Generate a positive and flexible approach to	D2.	Balance pro- responsibilities contemporary environmenta	y issues and	
	lifelong learning and employability.	D3.	Conduct independently and communicate research that advances and extends knowledge and scholarship in related fields.		
XV.	Alignment of CILOs to Teaching and	d Asses	sment Strat	tegies	
J	m. Alignment of Knowledge and Understan				
	Knowledge and Understanding CILOs		ng Strategies	Assessment Strategies	
a1.	as success skills for project managers	Intera	onstrations active class	 Group work Assignments Presentations	
a2.	Identify the key characteristics of soft skills.	discu	ssions	Exams	

n.	n. Alignment of Intellectual Skills CILOs:						
	Intellectual Skills CILOs	Teaching Strategies	Assessment Strategies				
b1.	Develop effective approaches and solutions to solve problems, conflicts and other issues faced throughout the project life cycle.	DemonstrationsInteractive class	AssignmentsPresentationsExams				
b2.	Create appropriate examples and culture of mutual respect, team work, active participation and commitment, motivation and positive attitudes through project management teams and project stakeholders to contribute to project success.						
	Alignment of Professional and Practi						
F	Professional and Practical Skills CILOs	Teaching Strategies	Assessment Strategies				
c1.	Apply soft skills effectively to a variety of professional settings throughout the project cycle.	LecturesDemonstrations	AssignmentsPresentations				
c2.	Exercise management and leadership skills in the conduct of programs and projects of various size, scope, and complexity.	 Interactive class discussion 	■ Exams				
p.	. Alignment of Transferable (General)	Skills CILOs:					
	Transferable (General) Skills CILOs	Teaching Strategies	Assessment Strategies				
d1.	Become more effective through goal/target setting, self-motivation and practicing creative thinking.	DemonstrationsInteractive class discussion	AssignmentsPresentations.				
d2.	Generate a positive and flexible approach to lifelong learning and employability.						

XVI.Course Content

10. Theoretical Aspect

Order	Topic List / Units	Sub -Topics List	Number of Weeks	Contact Hours	Course ILOs
1	Introduction	 Definition of Soft Skills Soft Skills versus Hard Skills Importance of Soft Skills Purpose and process of Soft Skills 	1	4	a.1, a.2, b.1, b.2
2	Project Management and Soft Skills	 Project Management: a Pragmatic/logical Approach Behavioral Models for Project Managers The role of the Project Manager 	1	4	a.1, a.2, b.1, b.2, c.1, c.2

3	Cognitive/intellectual Processes and Soft Skills	 Cognitive Processes Effective influence Emotional intelligence Soft Skills: Dublin Descriptors Soft Skills: World Economic Forum WEF, skills of the future Soft Skills – Categories Elementary and Complex Soft Skills 	1	4	a.1, a.2, b.1, b.2, c.1, c.2, d1, d.2
4	Employability	 Competence; a Key to Success Top Ten Soft Skills according to World Economic Forum WEF Industry: Key Enabling Technologies New Profiles: The Innovation Manager Required transversal competences SWOT Analysis Enhancing Soft Skills 	1	4	a.1, a.2, b.1, b.2, c.1, c.2, d1, d2
5	Learning Skills	 Self-management Critical thinking development Reflective thinking and writing 	1	4	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2
6	Exceptional Communication skills	 Main styles of communication Written and spoken language skills Presentation skills Effective negotiating Active listening Academic debate Group work Peer-to-peer Interaction Intercultural Communication 	2	8	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2
7	Midterm Exam		1	4	a.1, a.2, b.1, b.2, c.1, c.2
8	Strong Leadership skills	Leadership stylesTeam motivationStakeholders engagementDelivering great results	2	8	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2

9	Effective Problem- Solving and Decision- Making	 Problem-solving and decision-making processes Effective problem-solving techniques Evaluation of solutions Risk management Decision-making 	2	8	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2
10	Further Soft Skills for project managers and teams	 Conflict management Coaching Team Building/Coordination Skills Prioritization Cultural awareness/Cultural sensitivity Strong work ethic 	3	12	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2
11	Final Exam		1	4	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2
	Number of Weeks /and	Contact Hours Per Semester	16	64	

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

12	. Tutorial Aspect: NA			
No.	Tutorial	Number of Weeks	Contact Hours	Learning Outcomes (<u>C</u> ILOs)
1				
2				
	Number of Weeks /and Units Per Semester	15	30	

VII. Teaching Strategies:

- Formal lectures
- Interactive discussions
- Group work
- Presentations

VIII. Assessment Methods of the Course:

- Group work
- Assignments
- Presentations
- Written Exams

XIX	XIX.Tasks and Assignments:					
No	Assignments/ Tasks	Individual/ Group	Mark	Week Due	CILOs (symbols)	
1	 Readings: Each week readings; based on each reading/topic, a written assignment will be issued. Students will be asked to write synthetic essays and/or complete analyses pertaining to the reading materials. These will be short (>4, <5 pages double spaced) pieces. Each work assigned for reading will have 1 or 2 presenters assigned to it from the class. In general students will be asked to describe the main points of the paper and to offer a critique of the contents. Students are expected to prepare for class by reading the assigned reading prior to the class for which they are listed, and to participate in class sessions/group discussions. By the end of the semester (Week 14), Student Groups will submit their Final Activity Report and deliver a PowerPoint presentation within a plenary session. 	Group	30	3-14	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2	
	Total Score		30	-	-	

XX.	XX. Learning Assessment:							
No ·	Assessment Tasks	Week due	Mark	Proportion of Final Assessment	CILOs			
1	Assignments	3-14	30	30%	a.1, a.2, b.1, b.2, c.1, c.2, d.1, d.2			
2	Mid-Term Exam	9	20	20%	a.1, a.2, b.1, b.2, c.1, c.2,			
3	Final Exam	16	50	50%	d.1			

Total	100	100%	-

VIII Learning Resources and Facilities

1- Required Textbook(s)

- Randall L. Englund, Alfonso Bucero, 'Complete Project Manager-Integrating People, Organizational, and Technical Skills', Management Concepts, Inc., 2012.
- Barry Benator, Albert Thumann, 'Project Management and Leadership Skills for Engineering and Construction Projects', The Fairmont Press, 2003.
- Irwin, Brian, 'Managing Politics and Conflict in Projects', Management Concepts, Inc., 2008.

2- Essential References

- Cynthia Snyder Dionisio, 'A Project Manager's Book of Tools and Techniques', John Wiley & Sons, 2018.
- G. Michael Campbell, 'Communications Skills for Project Managers', AMACOM, 2009.
- W. Gibb Dyer Jr, Jeffrey H. Dyer, William G. Dyer, 'Team Building-Proven Strategies for Improving Team Performance', Jossey-Bass-A Wiley Imprint, 2013.

3- Electronic Materials and Websites etc.

- Course Power Point.
- Video clips.
- Links to information resources.

Educational and research Facilities and Equipment Required

Technology Resources

(AV, data show, Smart Board, software, etc.)

Data Show, Internet Access

Other Resources

(Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)

الضوابط والسياسات المتبعة في المقرر Course Policies	.V
بعد الرجوع للوانح الجامعة يتم كتابة السياسة العامة للمقرر فيما يتعلق بالآتى:	
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 للقسم 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
ـ 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 تبوت قيام الطالب بالغش في الامتحان النصفي أو النهائي تطبق عليه لائحة شؤون الطلاب.	
- في حال تُبوّت قيام الطالب بالغش او 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	
عنی عده وبود معمل بیست معملی علی دار در معمل بیده معملی ارک است بات است الفری Other policies:	7
	,
- أي سياسات أخرى مثل استخدام الموبايل أو مواعيد تسليم التكليفات الخ	

Academic Year:

Course Plan (Syllabus): Soft Skills for Project Managers

I. Information about Faculty Member Responsible for the Course:							
Name	Prof. Dr. Eng. Omar H. Al- Sakaf	Office Hours					
Location & Telephone No.	Faculty of Engineering Mobile: 733772328/773332328	SAT	SUN	MON	TUE	WED	THU
E-mail	oalsakaf@gmail.com oalsakaf@yahoo.com		08:0 0 - 12:0 0				

II.	II. General Information about the Course:						
28	Course Title	Soft Skills	for Project M	lanagers			
29	Course Code and Number	CE595					
		Credit Hours Total					
30	Credit Hours	Lecture	Total				
		4	-	-	4		
31	Study Level and Semester	Second Semester					
32	Pre-requisites	-					
33	Co –requisite	-					
34	Program (s) in which the course is offered	e MSc. in Engineering Project Management					
35	Language of teaching the course	English and/or Arabic					
36	Location of teaching the course	aching the course Faculty of Engineering					

X. Course Description:

This course is about transversal (also denoted as soft) skills. It discusses what is talent, and to what extent success in professional life depends on non-technical skills. Technical skills are the stones to build your professionality, but soft skills are the cement. Soft skills form an essential component of education and training programs for students, whether they are enrolled in a degree in Engineering, Science, Economy, Law, Language, or whatever else. Students will learn how to acquire the necessary skills to be a successful engineer. In particular, non-technical (soft skills) are discussed; among them, emphasis will be given to inductive/deductive/analytical/design reasoning, to communication skills and employability. Motivated by this, the course in particular addresses the topics of project management and soft skills, cognitive/intellectual processes and soft skills, employability, learning skills, inter-personal communication, team working and leadership, and effective problem-solving and decision-making. The course will also address the issue of the new competences and professionalities required by the 4th industrial revolution (Industry 4.0).

X. Course Intended Learning Outcomes (CILOs):

Upon successful completion of **Soft Skills for Project Managers** Course, the graduates will be able to:

- a1 Recognize the importance of soft skills as success skills for project managers and teams in particular and for engineers in general.
- a2 Identify the key characteristics of soft skills.
- b1 Develop effective approaches and solutions to solve problems, conflicts and other issues faced throughout the project life cycle.
- b2 Create appropriate examples and culture of mutual respect, team work, active participation and commitment, motivation and positive attitudes through project management teams and project stakeholders to contribute to project success.
- c1 Apply soft skills effectively to a variety of professional settings throughout the project cycle.
- c2 Exercise management and leadership skills in the conduct of programs and projects of various size, scope, and complexity.
- d1 Become more effective through goal/target setting, self-motivation and practicing creative thinking.
- d2 Generate a positive and flexible approach to lifelong learning and employability.

XII. Course Content

A – Theoretical Aspects

Order	Topics List	Week Due	Contact Hours
1	Introduction	Week 1	4
2	Project Management and Soft Skills	Week 2	4
3	Cognitive/intellectual Processes and Soft Skills	Week 3	4
4	Employability	Week 4	4
5	Learning Skills	Week 5	4
6	Exceptional Communication skills	Week 6 - 7	8
7	Midterm Exam	Week 8	4
8	Strong Leadership skills	Week 9 – 10	8
9	Effective Problem-Solving and Decision-Making	Week 11 – 12	8
10	Further Soft Skills for project managers and teams	Week 13 – 15	12
11	Final Exam	Week 16	4
Numbe	er of Weeks and Units Per Semester	16	64

7 .]	Pract	tical <i>A</i>	Aspect	t
				-

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

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

XI. Teaching Strategies:

- Formal lectures
- Interactive discussions
- Group work
- Presentations

XII. Assessment Methods of the Course:

- Group work
- Assignments
- Presentations
- Written Exams

IX.	Tasks	s and	Assignments:
	_		

	Tusks und Hasignments:			
No	Assignments/ Tasks	Individual/ Group	Mark	Week Due
1	• Readings: Each week readings; based on each reading/topic, a written assignment will be issued. Students will be asked to write synthetic essays and/or complete analyses pertaining to the reading materials. These will be short (>4, <5 pages double spaced) pieces.			
	• Each work assigned for reading will have 1 or 2 presenters assigned to it from the class.			
	• In general students will be asked to describe the main points of the paper and to offer a critique of the contents.	Group	30	3-14
	• Students are expected to prepare for class by reading the assigned reading prior to the class for which they are listed, and to participate in class sessions/group discussions.			
	• By the end of the semester (Week 14), Student Groups will submit their Final Activity Report and deliver a PowerPoint presentation within a			

plenary session.		
Total Score	30	-

XI. Learning Assessment:

No.	Assessment Tasks	Week due	Mark	Proportion of Final Assessment
1	Assignments	3-14	30	30%
2	Mid-Term Exam	9	20	20%
3	Final Exam	16	50	50%
	Total		100	100%

VIII Learning Resources and Facilities

1- Required Textbook(s)

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- Barry Benator, Albert Thumann, 'Project Management and Leadership Skills for Engineering and Construction Projects', The Fairmont Press, 2003.
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- Links to information resources.

Educational and research Facilities and Equipment Required

Technology Resources

(AV, data show, Smart Board, software, etc.)

Data Show, Internet Access

Other Resources

(Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)

تبعة في المقرر Course Policies	الضوابط والسياسات اله	.vi
لسياسة العامة للمقرر فيما يتعلق بالآتى:	عد الرجوع للوانح الجامعة يتم كتابة ا	ŧ
:Class Attendance	سياسة حضور الفعاليات التعليمية	1

 يلتزم الطالب بحضور 75% من المحاضرات ويحرم في حال عدم الوفاء بذلك. 	
- يقدم أستاذ المقرر تقريرا بحضور وغياب الطلاب للقسم ويحرم الطالب من دخول الامتحان في حال تجاوز الغياب 25%	
ويتم اقرار الحرمان من مجلس القسم.	
الحضور المتأخر Tardy:	2
ـ 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 تبوت قيام الطالب بالغش في الامتحان النصفي أو النهائي تطبق عليه لائحة شوون الطلاب.	
- في حال تبوت قيام الطالب بالغش او 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	
عي المرابع Other policies:	7
	,
- أي سياسات أخرى مثل استخدام الموبايل أو مواعيد تسليم التكليفات الخ	

