

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
ARC 4751	Construction site management	2019/2020 sem.1	3			3

**Level of Course:** Undergraduate

**Course Type:** Lecture, Problem Solving

**Language of Instruction:** English

**Course time:** 3 hours/week

**Course classroom:**

**Mode of Delivery:** Class Teaching, Presentation, assignments

**Prerequisites and** None

**Co-requisites:** None

**Course Coordinator:**

**Name of Lecturer(s):** Assistant Prof. Fuad ABUTAHA

**Course Teaching Assistant:**

**Course Objectives:** This course aims to provide a basic information about construction project management including risk management, time planning, contract management in the scope of Project Management. Besides, it is prepared to give information about leadership and the importance of effective team work. Some case studies on engineering management functions are analyzed by in-depth analysis.

**Course Description:** Fundamentals of the construction project management, cost management, risk management, time planning, contract management.

**Learning Outcomes:** **Upon successful completion of the course, students will be able to:**

- To manage a quality construction project from start to completion while maintaining budget, schedule, and safety requirements
- To demonstrate the ability to communicate effectively both orally and in writing.
- To apply knowledge, techniques, skills, and tools of the construction industry in construction activities.
- To apply professional and ethical standards of behavior in dealing with all stakeholders in the construction process.
- To analyze, evaluate, and select computer applications for the purpose of efficient and effective project management

**Text Books:** Project Management and Leadership Skills for Engineering and Construction Projects: Barry Benator, P.E., C.E.M. Albert Thumann, P.E., C.E.M

**Recommended Text Books:**

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**For the terminology:**

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**Reading Text books:**

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**Planned Learning Activities and Teaching Method:**

**Learning/Teaching Method:** The expected learning outcomes for the course will be assessed through: Group Presentations, a Midterm Project, Final Project and Class discussions and feedback.

**Assignments:** Students are required to submit at least one assignment and one homework

**Class Participation:** Regular attendance of all enrolled classes is expected. Attendance will be taken through your signature within the first quarter of the class. At the end of the Semester, the attendance will be reported on SIS system. Attendance is compulsory and in case of absenteeism of more than 30%, the system will automatically grade you "FX". If you miss a class, it is your responsibility to 'make up' all work, including items discussed in class. Class contribution will be measured in terms of quality not quantity. If you need to leave early for whatever reason, you should exercise politeness and notify your professor at the commencement of the session.

**Academic integrity & plagiarism:** Academic integrity is the pursuit of scholarly activity based on the values of: honesty, trust, fairness, respect and responsibility. Practicing academic integrity means never plagiarizing or cheating, never misrepresenting yourself, never falsifying information, never deceiving or compromising the work of others. Basically this means, either intentionally or unintentionally, using the words or ideas of someone else without giving credit, it's strictly forbidden.

**Specific Rules:**

1. **Be punctual. Punctuality is a sign of respect toward yourself and the others.**
2. Show respect for all the people and property around you.
3. Be responsible for your actions and meet all expectations.
4. Follow directions the first time they are given.
5. Students should raise their hand to signal a question or to answer a question.
6. Students should use the Internet at school for academic purposes only.
7. It is forbidden to record classes with any type of device.

**Communication:** Students are encouraged to visit the professor during their Office Hours. If you cannot make it to announced office hours, please make individual arrangements via e-mail. However, do not expect the professor and the research assistant to respond at length via e-mail to questions of content, definition of terms, grading questions etc. If you have a question that requires a substantive response please set up an appointment to speak with one of us.

**Course Contents\*:  
(Weekly Lecture Plan)**

Date	Week	Chapter Topic	Take-home exercise	
	1	Introduction to Construction Industry		
	2	Introduction to Project/Construction Management		
	3	Construction Planning		
	4	Implantation and Execution Stages		
	5	Time Management		
	6	Networking Technique (AOA/CPM)		
	7	Planning Tools		
	8	Midterm Exam		
	9	Monitoring and Control		
	10	Risk Management		
	11	Essentials of Contract		
	12	Contract Documents		

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	13	Construction Delivery Methods		
	14	Contract Pricing Alternatives		
	2020		FINAL EXAM	

\* PLEASE NOTE: Details of the syllabus and course schedule are subject to minor changes that will be posted on Blackboard website.

**Grading:** Midterm and final exam responses will be evaluated for accuracy, thoughtfulness and clarity. Assignments will be evaluated for content, quality of ideas and clarity of presentation (including both writing and graphics).

**Assessment Methods and Criteria :**

METHODS	EFFECTS ON GRADING
Attendance and Participation	-
Assignments	30
Midterm Project	30
Final Project	40
	100

**ECTS Workload Table :**

ACTIVITIES	NUMBER	HOUR	WORKLOAD
Course Teaching Hours	15	3	45
Assignment(s)	2	10	20
Self-study for Midterm Project	1	10	10
Self-study for Final Exam	1	15	15
<b>Total Workload</b>	<b>0</b>	<b>0</b>	<b>90</b>
<b>Total workload/30</b>			<b>90/30</b>
<b>ECTS</b>			<b>3</b>

### GRADING AND EVALUATION

The students' progress will be evaluated throughout the semester. Students' grades lower than CC will be considered as failed.

Grade Scale:

90 - 100	AA	4,00
85 - 89	BA	3,50
80 - 84	BB	3,00
75 - 79	CB	2,50
65 - 74	CC	2,00
55 - 64	DC	1,50
50 - 54	DD	1,00
45 - 49	FD	0,50
0 - 44	FF	0,00

**Course outline and evaluation criteria can be changed according to weekly progress by course instructor. If any change will occur, it will announce to students via e-mail.**