NEW JERSEY INSTITUTE OF TECHNOLOGY
Department of Mechanical and Industrial Engineering
EM 636-102 Project Management **Spring 2025**

INSTRUCTOR: **George Abdou**, Associate Professor, Room ME306
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OFFICE HOURS: *Monday 1:00 – 3:00 p.m.*
LECTURE: Thursday 6:00 – 8:50 p.m. GITC 2305

Couse Description: This is an introduction course to concepts of project management and techniques to accomplish specific project goals. While the focus is on business-oriented technical projects, the principles discussed in this course are applicable to the management of any type of project. The course primarily covers the planning and controlling of resources such as time, budget (cost and cash flow forecasting), human resources, and performance control/monitoring, and documentation.

TEXT: "Project Management A Systems Approach to Planning, Scheduling, and Controlling"- 13th Edition by Harold Kerzner, 2022 (ISBN 978-1119805373)

GRADING: **Final Exam** 30% **Midterm Exam:** 30% **Assignments:** 40%

Course Outline: *The syllabus may be subject to change*

Month	Day	Topics	Chapter	HW
January	23	Project Management Growth & Review	1&2	
	30	Problem Solving Tools	Handout	**HW#1**
February	6	Initiating a Project	3&5	
	13	Project Planning, Performing & Controlling Scope, Scheduling	11&12	**HW#2**
	20	Project Planning, Performing & Controlling	12	
	27	Project Team & Manager/Organizational Structures	12	**HW#3**
March	6	Contract Management	19	
	13	**MIDTERM** Chapters, 1,2,3,5,11,12		**HW#4**
March 16-22		****** *Spring Recess - No Classes Scheduled* ******		
	27	Contract Management	19	**HW#5**
April	3	Quality Management	20	
	10	Learning Curves & Pricing & Estimating	13&18	**HW#6**
	17	Cost Control	14	
4/19		*** Good Friday Recess ***		
	24	After-Tax Analysis, Inflation & Depreciation		**HW#7**
May	1	Cost, Budget & Probability/Risk Management	17	
	6	Final Review		
May 15		**FINAL EXAM 6:00-7:30 pm GITC 2305 (Chapters: 13,14,17, 18, 19, 20)**		

Important Notes

1. The use of any electronic devices during class and laboratory sessions; including but not limited to: laptops, cell phones, tablets, social media, etc.., is **prohibited** for non-class related functions.
2. Homework is due the week following the date they are assigned. It is expected that class participants will observe specified deadlines. There will be no deviations from scheduled due dates and test dates. The assignments **will not be accepted after the noted deadline**. However, because you know all deadlines and assignments by no later than the second week of classes, deadlines should present no problems to class participants.
3. **Exams will consider all materials covered in the lectures**, **which may not be in the book**. Therefore, attendance of lectures is very important.
4. **HONOR & ETHICS**

   The code of unspoken ethics in a professional work environment in the US will apply in the classroom. That is, honesty and ethical conduct will not only be expected, but demanded. Please see me if you have any confusion on what I mean. Clearly, cheating on an exam is not permitted. Students caught in violation of this policy will earn a failing grades on their exam. Cooperation in responding to homework questions is not only permitted, but encouraged, as part of the cooperative learning framework of the course. You may discuss homework problems but not copy someone else's work. Any persons caught copying as well as the person providing the homework will be penalized.

Software Applications

To help reinforce the use of computer software to solve assignments & exams, **you will be required to submit your work only in Excel software or MS Project, and with explanation**. In some cases, the computations that you perform must be visualized by a graph.