Syllabus
TECH 4945: Senior Project
Fall 2018
Friday, 2:20 PM – 4:10 PM, Room ET 200

TECH 4945 – Senior Project (2 credits). Individual and/or team effort in study and implementation of integrative technical project culminating in technical report and technical presentation. Permits issued to students who have taken the senior exit exam and applied for graduation within the previous 12 months. Two lecture hours per week. PREREQUISITE: TECH 4943, student must be within two semesters of graduation, and permission of instructor.

Instructor: Mr. Daniel Kohn, Office ET 218, 678-4515, dekohn@memphis.edu

Course Outcomes
1. Demonstrate the ability to implement a solution to a well-defined technical problem using knowledge and skills acquired in undergraduate studies.
2. Demonstrate the ability to write a technical report that documents the implementation and results to a well-defined technical problem.
3. Demonstrate the ability to make informative oral presentations that are technical in nature.
4. Demonstrate the ability to work effectively on a team in the implementation of a solution to a well-defined technical problem
5. Demonstrate the ability to apply systematic methods and techniques to generate a solution to a well-defined technical problem.

Class Meetings: Class will meet most Fridays during the semester. A detailed scheduled will be provided.

Grading:		
	Technical Report	25%
	Poster Presentation	10%
	Formal Presentation	10%
	Senior Test Fields of Study (1st Attempt)	15%
	Project Success	20%
	Level of Difficulty	10%
	Progress Reports and Journal	10%

Technical Report: Your project will be documented in a formal technical report. Failure to submit a technical report will result in automatic failure of the course. The evaluation criteria for written work may result in a student's earning a negative score. This includes but is not limited to copyright violations (plagiarism), spelling, grammar, flow, and formatting errors. You are strongly urged to have someone else proofread your documents before you submit them.

Sections of the technical report will be due in draft form throughout the semester. On the assigned date you will bring your completed draft section(s) of the report to class for review and comment.

Poster Presentation: You will present your project in a poster session to the faculty and your peers. The poster format will be provided. During the session you will be graded on your poster and the ability to answer questions about your project. Failure to participate in the poster presentation will result in automatic failure of the course.

Formal Presentation: You will present your project to the class and department faculty. You will make a formal in-class presentation of your project. Failure to do a project presentation will result in automatic failure of the course.

Senior Test: As a part of our continuous improvement plan, some of the assessments used include senior testing. Last semester you were tested over core course competencies. This semester you will be tested over coursework in each of your selected Fields of Study. This test is mandatory; failure to take the test will result in automatic failure of the course. In order to pass this course, you MUST PASS with a score of 60% or better. You will be allowed one re-take if necessary. This will be scheduled just prior to mid-semester drop date.

Project Success and **Level of Difficulty** will be assigned by the instructor of record in consultation with your project advisor. You must demonstrate your project to the instructor of record **AND** your project advisor, failure to do so will result in an automatic failure of the course.

Project Progress: You will submit weekly progress reports outlining progress or lack thereof that has been made on your project. This weekly status report, sent every Friday afternoon of the semester via email and will be sent to the instructor of record as well as the technical faculty advisor. Please use the subject line "TECH 4945 Progress Report *#x your name Project Title*". These progress reports should include what you should have completed according to your plan of work, what you have actually completed, and what you have to do in the upcoming

week(s). If your actual progress is not according to plan, you must provide an analysis of the deviation of the plan with detailed explanation of any deficiencies.

Journal: You will keep a journal as a part of your project development activities. This is a continuation of the journal that you should have started in TECH 4943. Periodic journal checks will be done in the same manner as last semester. Failure to submit your COMPLETED journal with your project report will result in automatic failure of the course.

Other Items of Note:

Plagiarism: Will result in automatic failure of the course.

Resume: As part of your final technical report submittal you are to include a resume and a sample cover letter. You are encouraged to use the resources available through Career Services here at the University: http://www.memphis.edu/careerservices/

Attendance: You registered for it so you need to be there every time the class meets.

The instructor reserves the right to make changes to any of the above as necessary.