



# ME 1001/001 – INTRODUCTION TO MECHANICAL ENGINEERING

**Instructor:** **Muhammad Salman (PhD)**, *Lecturer Mechanical Engineering*

**Office:** G-172

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**Class times:** M 12<sup>00</sup>–1<sup>45</sup> in room Q-106

**Office Hours:** Tuesday Thursday  
3<sup>00</sup>-4<sup>00</sup> 3<sup>00</sup>-4<sup>00</sup>  
or by appointment

**Required Text:** **Studying Engineering: A Road Map to a Rewarding Career**, 4<sup>th</sup> ed., Raymond B. Landis, Discovery Press (2013) ISBN-978-0-9793487-4-7

**Pre-Requisite:** Mechanical Engineering major.

<b>Grading:</b>	30%	Quizzes and Homework	
	20%	Final Exam	
	20%	Instructor Evaluation	} <i>based on a student's attendance and classroom participation</i>
		Final Project of Pumpkin	
	30%	Launch (Oct 23, 2013)	

<b>Nominal Grading Scale:</b>	90-100 A	80-89 B	70-79 C	60-69 D	0-59 F
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## **COURSE DESCRIPTION**

(2 credits) This course is an introduction to Engineering, with a focus on Mechanical Engineering. A strong emphasis will be placed on techniques for undergraduate student **success, and preparation for careers** in engineering and/or graduate studies. Students will be introduced to engineering faculty and student organizations. Engineering Division and Mechanical Engineering Program policies and curricula will be also discussed. Students will design the Pumpkin Launch project. (See details on D2L).



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### **STUDENT LEARNING OUTCOMES**

Upon the completion of this course, you will be able to:

1. Identify career opportunities in Mechanical Engineering.
2. Describe the Mechanical Engineering Program curriculum.
3. Identify the general student services available on campus.
4. Solving an engineering textbook problem using an engineering problem solving method.
5. Understanding how to use and present the appropriate number of significant figures.
6. Know about the general design engineering and specifically the pumpkin launch machine

### **COURSE OUTCOME MEASURES and ASSESSMENT**

Measures and assessment of the outcomes will be made by:

- Quizzes
- Final Exam
- Homework assignments

### **ATTENDANCE POLICY**

Attendance is mandatory. Students missing more than 3 absences will fail the course. Falsification of attendance records in any manner is an act of academic dishonesty.

### **ACADEMIC DISHONESTY**

A display of academic dishonesty, as defined in the general catalog, will result in the most severe punishment permissible. This includes, but is not limited to, cheating, plagiarism, and disorderly conduct. Please refer to the Undergraduate Catalog sections “Disruptive Behavior and Academic Dishonesty” and “Student Life Regulations” for further information.

### **OTHER EXPECTATIONS**

- You are expected to check your email and Georgia VIEW Vista 8. I will communicate with you via the email account that is assigned to you by SPSU, as well as announcements on Vista.



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- Questions regarding the grading of a problem must be submitted *in writing* to the professor within **one week** from the date that the work was returned. Be aware that once a problem is reopened for grading, the grade on the disputed problems could theoretically go down if additional errors are discovered during the grade-review.

### RECOMMENDATIONS

- As in every class, take comprehensive notes. Everything that the professor writes down, you should write in your notes. You should additionally take notes on some things that the professor verbalizes but does not write down.
- Read the assigned readings *before* class and keep up with the homework problems.
- Visit the D2L website for important announcements, documents, reading and homework assignments, and other helpful information.

### AMERICANS WITH DISABILITIES ACT COMPLIANCE

Students with disabilities who believe that they may need accommodations in this class are encouraged to contact the ATTIC counselor working with disabilities at 678-915-7316, now in the *Basement* of the Student Center, as soon as possible to better ensure that such accommodations are implemented in a timely fashion. Accommodations are best implemented at the beginning of the semester. I will work with you to provide reasonable accommodations to ensure that you have a fair opportunity to perform and participate in class.