MCHE 201: Introduction to Engineering Design
Spring 2019 Syllabus

Professor: Dr. Joshua Vaughan
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Instructor: Ms. Carla Hodge
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Lecture: CLR Room 324, Tuesday & Thursday, 3:30 – 4:20pm

Lab: Various Rooms, Tuesday & Thursday, 4:30 – 5:20pm

Textbook: Introductory Mechanical Design Tools
               William Singhose and Jeff Donnell
               ISBN: 9780984221042
               Print – http://cl.ly/3D2z3r0u3U37
               iBooks – http://cl.ly/0d0P0h3V2p1M

Robot Kit: http://sfe.io/w135021

Course Website:
               http://www.ucs.louisiana.edu/~jev9637/MCHE201.html

Course Description:
               Techniques for creating, evaluating, synthesizing, implementing, and
               documenting solutions to open ended engineering problems, team and
               project management.

Prerequisites:
               MCHE 101, ENGR 211

Academic Honesty:
               An essential rule in every class of the University is that all work for which
               a student will receive a grade or credit be entirely his or her own or be

properly documented to indicate sources. When a student does not follow this rule, s/he is dishonest and s/he defeats the purpose of the course and undermines the goals of the University.

Grading:	Professionalism	5%	
	Homework	10%	
	Mini-Projects	30%	
	Tower Report		10%
	ARLISS Prelim. Report		5%
	ARLISS Final Report		10%
	Mechanical Dissection		5%
	Final Project	55%	
	Problem Understanding Report		5%
	Concept Evaluation Report		5%
	Robot Performance		15%
	Presentation to Judges		5%
	Final Presentation		10%
	Final Report		15%
	Return project kit in working order	P/F	

Projects will be conducted in teams. Teams will be randomly assigned, and all team members will receive the same grade on the assignment.

Attendance: You are required to attend both lecture and lab. Missing classes will result in a final grade penalty according to:

$3-4$ absences = 1 letter grade reduction
$5-6$ absences = 2 letter grade reduction
$7-8$ absences = 3 letter grade reduction
>9 absences = 4 letter grade reduction

If you arrive late, you will be marked as tardy. For lecture, late is defined as the time between the start of lecture, 3:30pm, and 3:35pm. After 3:35pm, you are considered absent. For lab, late is defined as the time between the start of lab, 4:30pm, and 4:35pm. After 4:35pm, you are considered absent. In addition, attendance may be taken again at any point in the class period, either lecture or lab. At most, one absence will be recorded per calendar day.

Two tardy marks are equivalent to one missed lecture. For combinations of tardies and absences, the total will be rounded down to the nearest integer. For example, if you have 2.5 absences (one tardy and two absences or some other, equivalent combination) your grade will not be affected. However, if you are late twice and miss class twice, then your grade will be reduced by one letter.

Any documentation for excused absences must be submitted within one week of the absence in question. Submitting after this time will result in the absence being counted.

Code of Conduct:

In this class, we value everyone's participation, we strive for transparency and inclusion, and we promote collaboration. Furthermore, we want every student to have a rewarding, fruitful learning experience. To achieve this, everyone is expected to show courtesy and respect towards each other. Therefore, the following Code of Conduct is agreed upon by those taking this course:

- All communication should be appropriate for a professional audience including people of many different backgrounds.
- We will not tolerate harassment, in person or online. Harassment refers to offensive verbal or written comments in reference to gender, sexual orientation, disability, physical appearance, body size, race, or religion; sexual images in public spaces; deliberate intimidation; stalking; harassing photography or recording; sustained disruption of class meetings; inappropriate physical contact; and unwelcome sexual attention.
- Be kind to others. Do not insult or put down other class members.
- Behave professionally. Avoid jokes that could be interpreted as sexist, racist, or exclusionary.

If you feel someone is violating the code of conduct, speak up and respectfully remind them of it. If the behavior persists, then email the course instructor explaining the situation. If you would like to keep your communication anonymous, you may use a service like AnonymousEmail.me. We may not be able to reply to anonymous complaints, but we will fully investigate them and take action as necessary. If you feel that you are in immediate danger, please contact the University of Louisiana at Lafayette police.

This code of conduct was adapted from those found at http://www.ucs.louisiana.edu/~jev9637/Code_of_Conduct.html, http://ivory.idyll.org/lab/coc.html, and http://github.com/leftlogic/confcodeofconduct.com, which themselves were patterned after those of the Ada Iniative and JSConf.

Change Log:
01/08/19 – Initial version