# CEE 205 STATICS

# Spring 2022

Course Description: Complex engineering problems can be disassembled into small components and solved with basic science and math skills. By asking simple questions defining what information we have and need, we can develop simple strategies to solve many problems.  Through this process the fundamental concepts of vectors, forces, equilibrium, friction, centroids and moments of inertia, may be used to analyze and solve engineering problems. Prerequisites: ENGR 101 and PHYS 298.

Textbook:  *Engineering Mechanics: Statics, R. C. Hibbeler, 15th Edition,   
Prentice-Hall, Englewood Cliffs, NJ, 2021.*

This course utilizes the Pearson Mastering system. Instructions to access are posted on Blackboard.

Instructor: Robert Kluger, Ph.D., PE

WS Speed Office 112

Robert.kluger@louisville.edu

TA: Mohamadreza Haghani

mohamadreza.haghani@louisville.edu

Schedule: Section CEE 205; 11:00 AM – 11:50 AM

BAB 131

Blackboard: CE 205 will use Blackboard learning environment for course communications. Any key announcements will be posted to Blackboard. Students are expected to check Blackboard daily for announcements regarding the course.

Office Hours: Office hours are available for students who need additional help with concepts. Dr. Kluger is available via appointment. Teaching assistant schedules will be posted at a later date.

ABET course content: This course meets the following ABET outcomes:

(1) an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics

### Important dates:

Jan 10 Classes start

Jan 17 MLK Holiday

Mar 14-18 Sp Break

Apr 25 Last day of classes

**Apr 27th FINAL EXAM**

Grading: Exams and Final 60 percent

Assignments 20 percent

Quizzes/Participation 20 percent

Total: 100 percent

*The following scale will be used to assign letter grades:*

*A+ 95 percent C+ 75 percent*

*A 90 percent C 70 percent*

*B+ 85 percent D+ 65 percent*

*B 80 percent D 60 percent*

*F <60 percent*

**General Notes:**

* Four exams and the final will make up 60 percent of your course grade. Of these five testing events, the four highest scores will be the basis for the “Exams and Final” component of your overall score.
* Petitions for re-grading of exams or homeworks must be complete prior to the subsequent exam.
* This course will make extensive use of the Pearson Mastering for homework materials.
* All homeworks must be submitted online.
* If you are taking the class as a pass/fail option, 70 percent is required for satisfactory completion of the course
* Exams are open book and open note. You may not use materials from outside the class (e.g. solution manuals, message boards, etc.). Use of this material will result in a 0 on the exam.
* Calculators may be used – No Phone Calculators!

**Title IX/Clery Act Notification**

Sexual misconduct (including sexual harassment, sexual assault, and any other nonconsensual behavior of a sexual nature) and sex discrimination violate University policies. Students experiencing such behavior may obtain **confidential** support from the PEACC Program (852-2663), Counseling Center (852-6585), and Campus Health Services (852-6479). To report sexual misconduct or sex discrimination, contact the Dean of Students (852-5787) or University of Louisville Police (852-6111).

**Disclosure to University faculty or instructors** of sexual misconduct, domestic violence, dating violence, or sex discrimination occurring on campus, in a University-sponsored program, or involving a campus visitor or University student or employee (whether current or former) is **not confidential** under Title IX. Faculty and instructors must forward such reports, including names and circumstances, to the University’s Title IX officer.

For more information, see http://louisville.edu/hr/employeerelations/sexual-misconduct-brochure.

**Computer Issues and IT Support:** Speed IT staff are available by appointment from 9 am to 4 pm to assist you with your technology needs. You may schedule an appointment by sending a detailed email including any relevant error codes and screen snips at [SPDHelp@Louisville.edu](mailto:SPDHelp@Louisville.edu) (preferred) or 502-852-7620.