



## SYLLABUS

SOUTHERN POLYTECHNIC COLLEGE OF ENGINEERING AND ENGINEERING TECHNOLOGY  
DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING  
ISYE 1000: INTRODUCTION TO INDUSTRIAL AND SYSTEMS ENGINEERING  
FALL 2022

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### Course Information

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Class meeting time: *Tuesday 9:30-10:45 am, Wednesday 3:30 – 4:45 pm.*  
Modality and Location: *Hybrid class*  
*Syllabus is posted in D2L*

### Instructor Information

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Name: Dr. Luisa Valentina Nino de Valladares

Email: [lvallad1@kennesaw.edu](mailto:lvallad1@kennesaw.edu)

Office Location: M-115

Office phone:

Office Hours: On campus Tuesday (11:00 am – 12:00 pm) and Wednesdays (10:30-11:30 am), and other days/times by appointment. Those with appointments will be given priority over individuals who do not have appointments, but you are always welcome to just drop by.

**Preferred method of communication:** The best way to reach me between class periods is by the e-mail address above. I will reply as quickly as possible to questions sent over e-mail. It is essential that you **check your Kennesaw and D2L e-mails consistently**, as that is how I (and many others at the university) will communicate with you!

**Communicating with you:** I commit to answering all emails within 24 hours, unless I let you know in advance of travel prohibiting me from doing so (or if I have an emergency). If for some reason you do not hear from me within 24 hours, please verify the e-mail address and re-send the e-mail. This short response time does include weekends and holidays when class is in session. Do realize that if you procrastinate or if you are unable to find the time to work on an assessment until just before the assignment is due then I am not responsible for answering your last-minute questions just before the submission deadline.

### Course Description

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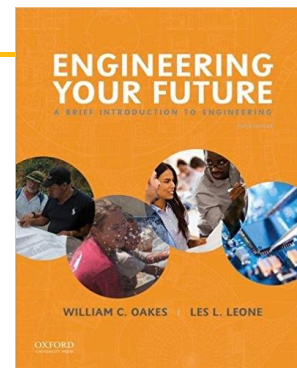
Introduction to the industrial and systems engineering profession and discipline through exposure to problems, principles, and practice. Integrated systems approach to problem solving. Foundation of data manipulation and preparation for problem analysis. Development of communication skills, career opportunities, importance of professionalism, ethics, contemporary challenges, lifelong learning, and introduction to the department. How to plan for graduation and other useful items are also included.

Include any prerequisites, corequisites, or concurrent prerequisites. Include the number of credit hours. Use the Course description from the catalog.

## Course Materials

Engineering Your Future: A Brief Introduction to Engineering 6th Edition: ISBN-13: 978-0190279332

\*You could easily share this textbook with a classmate if you would like.\* Additional reading material or links to reading material may be found on the course website.



D2L is the official online learning environment for the course provided by Kennesaw State University through the University System of Georgia. The portal is free, and you can gain access to the course by logging in at <http://vista.kennesaw.edu/> using your NetID and password. In Brightspace the course syllabus, course schedule, PowerPoints and exams will be posted.

Technology Skills Needed: All students are expected to be familiar with:

1. Connecting to the internet and using internet browsers
2. Logging in to the course website (i.e. D2L Brightspace).
4. Downloading and opening PDF, Word, and Excel documents

## Learning Outcomes

Students will be able to:

1. Describe the major goals and requirements for the undergraduate degree in ISE and identify educational opportunities and strategies for successful degree completion
2. Describe the areas of technical concentration, core concepts and principles, and approaches that underpin industrial and systems engineering
3. Demonstrate an understanding of the history of the industrial and systems engineering profession and describe current career opportunities across multiple sectors and contexts
4. Apply systems thinking and critical thinking to define and identify problems that industrial and systems engineers' address
5. Describe the breadth and importance of global and societal challenges and the industrial and systems engineer's potential role in addressing these challenges
6. Identify professional development opportunities for the industrial and systems engineer
7. Identify and analyze ethical issues in the context of industrial and systems engineering problems and
8. Demonstrate effective skills in communicating and presenting results and ideas.

## Evaluation and Grading Policies

Your final grade in this course will be determined using the following points for each component of this course. The grade is approximately 1/3 participation, 1/3 assignments, and 1/3 term project. Details of the due dates, point values, rubrics, and submission requirements for all assessments can be found in D2L.

Component	Points
Class participation (15 class periods at 10 points per class; 14 highest periods counted)	140
Textbook reading & quizzes (9 quizzes at 15 points each; 8 highest counted)	120
Additional assignments (approximately 6 assignments of variable point values)	~150
Group term project (see term project module in D2L for breakdown of points)	~270
Total (possible)	~690

**Grading Scale:** Final grades are based on the following scale as a percentage of the total points possible: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=0-59%

**Grading Feedback:** I will strive to grade submissions in a timely manner. Everything will be graded within a week of due date, if not sooner. If you have any questions on my feedback/grading, please contact me.

## Course Policies

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**Late assignment policy:** The instructor does NOT accept late assignments, quizzes, or projects. Assignments are due as detailed in the course schedule. Consideration will be given when conflicts arise with official University functions (e.g., travel for athletes, debate team, etc.). You must notify the instructor of such conflicts in advance.

### Attendance policy:

1. All students are expected to attend all class sessions beginning with the first-class session and continuing all the way through Final Exam Week. I understand that emergencies do arise and I also want you to stay home when you are sick. Each student will be allowed one free “skip” of the class period and that attendance grade dropped. Save this for when you need it! For additional absences, including illness, reach out to the instructor with the reason for your absence IN ADVANCE of the class period starting and you will be provided an alternative assignment for your attendance grade.
2. Students who miss class for any reason are not exempt from the material covered during the class the student misses.
3. The instructor is not responsible for assisting students catch up on class material when the student is absent from class.
4. Attendance and participation in the activities during class period is a significant portion of the grade in this course. Points are deducted for late arrivals, as well.
5. However, simply being present in class does not guarantee that the student will receive a high grade or a passing grade in this course.

### Hybrid Course Responsibilities

Hybrid sessions are designed to be 50% classroom attendance and 50% on-line attendance. This type of class requires the student to complete the readings and other assignments between any live lectures. It will be the student’s responsibility to schedule these assessments at their own convenience and complete them by their due dates. It is imperative that you keep up with class work throughout the term.

**Other important university policies** including academic integrity and withdrawal policies can be found here: <https://cia.kennesaw.edu/instructional-resources/syllabus-policy.php>

## Institutional Policies

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[Federal, BOR, & KSU Required Syllabus Policies](#)

## KSU Student Resources

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This link contains information on help and resources available to students: [KSU Student Syllabus Resources](#)