



Sustainability and Engineering

figs.wisc.edu/2019fall68

FIG 68 • Fall 2019

main class instructor: **Kathryn Kalscheur**

10 credits

for “direct admit” students
the College of Engineering

MAIN CLASS

Interdisciplinary Courses
(Engineering) 170
Design Practicum

LINKED CLASS

Chemistry 103
General Chemistry I

LINKED CLASS

Environmental Studies 112
**Environmental Studies:
The Social Perspective**

Engineers are in a unique position
to make a difference in combating

some of the world’s most pressing environmental issues. Students in this FIG will delve into the opportunities and complexities in sustainability and engineering through the design of a team product. The main seminar in this FIG, **Interdisciplinary Courses (Engineering) 170: “Design Practicum,”** will provide an introduction to design via the invention, fabrication, and testing of a device that solves a problem proposed by a real-world client. Lectures address information retrieval techniques, specification writing, methods for enhancing creativity, analysis techniques, scheduling, selection methodologies, cost estimating, sustainability in design, shop safety, fabrication equipment and techniques, and oral and written communication. The other

classes in the FIG will deepen our understanding of these issues.

Chemistry 103: “General Chemistry I” – Stoichiometry and the mole concept, the behavior of gases, liquids and solids, thermochemistry, electronic structure of atoms and chemical bonding, descriptive chemistry of selected elements and compounds, intermolecular forces.

Environmental Studies 112: “Environmental Studies: The Social Perspective” – Emphasizes the importance of social factors in the generation and resolution of complex environmental problems with an interdisciplinary perspective. It includes a comparison of specific communities in the more and less developed areas of the world. ●

more on the other side

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	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00 am				INTEREGR 170 LAB 307 7:45 am– 10:45 am	
9:00 am	CHEM 103 LEC 5 8:50–9:40 am		CHEM 103 LEC 5 8:50–9:40 am		CHEM 103 LEC 5 8:50–9:40 am
10:00 am					
11:00 am	ENVIR ST 112 LEC 001 11:00–11:50 am		ENVIR ST 112 LEC 001 11:00–11:50 am	INTEREGR 170 LEC 2 11:00–11:50 am	CHEM 103 LAB 696 11:00 am– 2:00 pm
12:00 pm					
1:00 pm					
2:00 pm					
3:00 pm					
4:00 pm					
5:00 pm	ENVIR ST 112 DIS 304 4:35–5:25 pm	CHEM 103 DIS 396 4:35–5:25 pm		CHEM 103 DIS 396 4:35–5:25 pm	
6:00 pm					

Enrolled in a FIG and you change your mind?

FIG classes are designed to be taken together. When you enroll in a FIG, you are signed up for these classes as a whole group, not as separate classes.

Dropping one FIG class means ending your enrollment in all of the classes in the FIG.

So, here's what you should know if you want to drop the FIG:

- You can drop all the classes on your own at enroll.wisc.edu. Any non-FIG class will not be affected.
- After classes begin, if you need to drop a single class within the FIG, please contact Kari Fernholz (see below) to review your situation. If necessary, she will provide the required authorization to drop the class.
- Wednesday, September 11, 2019** is the last day to drop a class without it appearing on your college transcript.
- Friday, September 13, 2019** is the last day to add a class without first getting department permission.

MAIN CLASS

Interdisciplinary Courses
(Engineering) 170

Design Practicum

LEC 2: R 11:00–11:50 +
LAB 307: R 7:45–10:45

credits: 3

class number: **63666**

LINKED CLASS

Chemistry 103

General Chemistry I

LEC 5: MWF 8:50–9:40 +
DIS 396: TR 4:35–5:25 +
LAB 696: F 11:00–2:00

- Physical Science
- Elementary

credits: 4

class number: **48120**

LINKED CLASS

Environmental Studies 112

Environmental Studies: The Social Perspective

LEC 1: MW 11:00–11:50 +
DIS 304: M 4:35–5:25

- Social Science
- Elementary

credits: 3

class number: **58529**



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get help from **Kari Fernholz**, assistant director
608-262-7375 • kari.fernholz@wisc.edu

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