



# Healthcare and Engineering

[figs.wisc.edu/2019fall30](http://figs.wisc.edu/2019fall30)

**FIG 30 • Fall 2019**

main class instructor: **Tracy Puccinelli**

**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

Religious Studies 102  
**Exploring Religion in  
Sickness and Health**

This FIG is for first-year students in the College of Engineering. The main class in the FIG, **Interdisciplinary Courses (Engineering) 170: “Design Practicum,”** will introduce you to design via the invention, fabrication and testing of a device

that solves a problem proposed by a real world client. Lectures will address information retrieval techniques, specification writing, methods for enhancing creativity, analysis techniques, scheduling, selection methodologies, cost estimating, sustainability in design, shop safety, engineering ethics, opportunities for engineering students (i.e., study abroad, internships, co-ops), major exploration, fabrication equipment and techniques, and oral and written communication. In this FIG section, we will apply engineering and design toward solving healthcare-related problems while also incorporating insights from the linked Religious Studies class.

**Chemistry 103: “General Chemistry I”** — Introduction to 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; and intermolecular forces.

## Religious Studies 102: “Exploring Religion in Sickness and Health”

— An introduction to the study of religion through the lens of health and health through the lens of religion employing approaches from the humanities and social sciences in conversation with health-related disciplines. It asks questions such as: How do religious peoples understand and live in sickness and health? How do people connect physical well-being to spiritual well-being? Medicine to meaning-making? How does looking at religion in sickness and health provide insight into its roles in a variety of cultures and contexts, globally and locally? How do health and religion connect particularly in situations of social marginalization and immigration? How does religion impact understandings of health and sickness beyond the borders of specific religious communities? ●

more on the other side

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**FIG 30 • Fall 2019**

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00 am		<b>INTEREGR 170</b> LAB 301 7:45–10:45 am			
9:00 am					
10:00 am					
11:00 am					
12:00 pm	<b>RELIG ST 102</b> LEC 1 11:00–11:50 am		<b>RELIG ST 102</b> LEC 1 11:00–11:50 am	<b>INTEREGR 170</b> LEC 2 11:00–11:50 am	<b>RELIG ST 102</b> DIS 309 11:00–11:50 am
1:00 pm		<b>CHEM 103</b> DIS 334 12:05–12:55 pm		<b>CHEM 103</b> DIS 334 12:05–12:55 pm	
2:00 pm	<b>CHEM 103</b> LEC 2 1:20–2:10 pm		<b>CHEM 103</b> LEC 2 1:20–2:10 pm		<b>CHEM 103</b> LEC 2 1:20–2:10 pm
3:00 pm				<b>CHEM 103</b> LAB 634 2:25–5:25 pm	
4:00 pm					
5:00 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](http://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 301: T 7:45–10:45

credits: 3

class number: **63660**

### LINKED CLASS

Chemistry 103

## General Chemistry I

LEC 2: MWF 1:20–2:10 +  
DIS 334: TR 12:05–12:55 +  
LAB 634: R 2:25–5:25

- Physical Science
- Elementary

credits: 4

class number: **45008**

### LINKED CLASS

Religious Studies 102

## Exploring Religion in Sickness and Health

LEC 1: MW 11:00–11:50 +  
DIS 309: F 11:00–11:50

- Humanities or Social Science
- Elementary

credits: 3

class number: **59197**



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get help from **Kari Fernholz**, assistant director  
608-262-7375 • [kari.fernholz@wisc.edu](mailto:kari.fernholz@wisc.edu)

June 4, 2019 11:07 AM