

# Course Listings

Courses listed below are most likely guaranteed. Some courses or details may change.

Please view the following document with last year's courses:

[2018-2019 Course Listing](#) 

Please note: If BMD\_ENG 442, Thermodynamics & Interactions at Biointerfaces is not offered, MECH\_ENG 422, Statistical Mechanics for Applications is the suitable replacement.

## FILTER BY

Course	Course Title	Fall 2019	Winter 2020	Spring 2020
<a href="#">101-0-01</a>	<a href="#">Introduction to Biomedical Engineering</a>	Th 3:00-3:50pm Olds	Th 3:00-3:50pm Olds	
<a href="#">207-0-22</a>	<a href="#">BME Lab: Experimental Design (0.5 units)</a>		Th 1:00-5:00pm Perreault, O'Neill	Th 1:00-5:00pm Tresch, Ankeny
<a href="#">220-0-20</a>	<a href="#">Introduction to Biomedical Statistics</a>	MWF 9:10-9:50am Olds		

<a href="#"><u>220-0-21</u></a>	<a href="#"><u>Introduction to Biomedical Statistics (discussion)</u></a>	T 3:00-3:50pm Olds		
<a href="#"><u>220-0-22</u></a>	<a href="#"><u>Introduction to Biomedical Statistics (discussion)</u></a>	T 4:00-4:50pm Olds		
<a href="#"><u>220-0-23</u></a>	<a href="#"><u>Introduction to Biomedical Statistics (discussion)</u></a>	T 5-5:50pm Olds		
<a href="#"><u>250-0-01</u></a>	<a href="#"><u>Thermodynamics</u></a>			
<a href="#"><u>250-0-20</u></a>	<a href="#"><u>Thermodynamics (Discussion)</u></a>			
<a href="#"><u>270-0-01</u></a>	<a href="#"><u>Fluid Mechanics</u></a>			TWTh 5-5:50pm Hartmann
<a href="#"><u>270-0-60</u></a>	<a href="#"><u>Fluid Mechanics (Lab)</u></a>			T 6:00-8:50pm Hartmann
<a href="#"><u>BME 271-0-20</u></a>	<a href="#"><u>Introduction to Biomechanics</u></a>	MTWF 11:30am- 12:20pm Alarcon- Fleming		MTWF 11:00- 11:50am Alarcon
<a href="#"><u>271-0-60</u></a>	<a href="#"><u>Introduction to Biomechanics (discussion)</u></a>	Th 11:30am- 12:20pm O'Neill		Th 11:00-11:50am O'Neill
<a href="#"><u>301-0-20</u></a>	<a href="#"><u>Quantitative Systems Physiology</u></a>	MWF 3:00- 3:50pm		

<a href="#"><u>301-0-60</u></a>	<a href="#"><u>Quantitative Systems Physiology (Discussion)</u></a>	F 9:00-9:50am Troy		
<a href="#"><u>301-0-61</u></a>	<a href="#"><u>Quantitative Systems Physiology (Discussion)</u></a>	T 4:00-4:50pm Troy		
<a href="#"><u>302-0-01</u></a>	<a href="#"><u>Quantitative Systems Physiology (Lecture)</u></a>		TTh 11:00am-12:30pm Backman	
<a href="#"><u>302-0-20</u></a>	<a href="#"><u>Quantitative Systems Physiology (Discussion)</u></a>		M 9:00-9:50am Backman	
<a href="#"><u>302-0-21</u></a>	<a href="#"><u>Quantitative Systems Physiology</u></a>		W 9:00-9:50am Backman	
<a href="#"><u>303-0-01</u></a>	<a href="#"><u>Quantitative Systems Physiology</u></a>			MWF 9:00-9:50am Ankeny
<a href="#"><u>303-0-20</u></a>	<a href="#"><u>Quantitative Systems Physiology (Discussion)</u></a>			Th 1:00-1:50pm Ankeny
<a href="#"><u>303-0-21</u></a>	<a href="#"><u>Quantitative Systems Physiology (Discussion)</u></a>			Th 2:00-2:50pm Ankeny
<a href="#"><u>308-0-01</u></a>	<a href="#"><u>Biomedical Signals and Circuits (1.25 units)</u></a>		TBA	
<a href="#"><u>309-0</u></a>	<a href="#"><u>Biomedical Systems Analysis (1.25 Unit)</u></a>			TBA

<b>311</b>	<b>Computational Genomics</b>			TTh 2:00-3:20pm Ji
<b>314-0-20</b>	<b>Models of Biochemistry and Molecular Biology</b>	MWF 12:40-1:30pm Wu		
<b>325-0-20</b>	<b>Introduction to Medical Imaging</b>	MWF 1:50-2:40pm Sahakian		
<b>327-0-01</b>	<b>Magnetic Resonance Imaging</b>		TBD Golestani Rad	
<b>333-0-20</b>	<b>Modern Optical Microscopy and Imaging</b>	TTh 9:40-11:00am Zhang		
<b>343-0-01</b>	<b>Biomaterials and Medical Devices</b>		TTh 12:30-1:50pm Ameer	
<b>344-0-1</b>	<b>Biological Performance of Materials</b>	TTh 1:00-2:20pm Scott		
<b>346-0-01</b>	<b>Tissue Engineering</b>		TTh 2:00-3:20pm Ameer	
<b>347-1-20</b>	<b>Foundations of Regenerative Engineering</b>	TTh 11:20am-12:40pm Liu		

<a href="#"><u>348-1-01</u></a>	<a href="#"><u>Applications of Regenerative Engineering</u></a>			TTh 11:00am-12:20pm Liu
<a href="#"><u>353-0-01</u></a>	<a href="#"><u>Bioelectronics</u></a>			TTh 9:30-10:50am Rivnay, Rogers
<a href="#"><u>365-0-01</u></a>	<a href="#"><u>Control of Human Limbs and Their Artificial Replacements</u></a>			T 5:00-7:50pm, Chicago Campus Gard
<a href="#"><u>366-0-01</u></a>	<a href="#"><u>Biomechanics of Movement</u></a>		WF 2:00-3:20pm Matty Major	
<a href="#"><u>377-0-20</u></a>	<a href="#"><u>Intermediate Fluid Mechanics</u></a>	MWF 10:20-11:10am Johnson		
<a href="#"><u>377-0-60</u></a>	<a href="#"><u>Intermediate Fluid Mechanics (Discussion)</u></a>	F 11:20am-12:40pm Johnson		
<a href="#"><u>378-0-01</u></a>	<a href="#"><u>Transport Fundamentals</u></a>		MWF 10:00-10:50am Johnson	MWF 10-10:50 am Johnson
<a href="#"><u>378-0-20</u></a>	<a href="#"><u>Transport Fundamentals (Discussion)</u></a>		Th 9:30-10:50am Johnson (Lab: T 7:00-10:00pm)	Th 12:30-1:50 pm Johnson

<a href="#"><u>380-0-01</u></a>	<a href="#"><u>Medical Devices, Disease &amp; Global Health, formerly 395-0-21</u></a>			MWF 1:00-1:50pm Glucksberg
<a href="#"><u>390-1-20</u></a>	<a href="#"><u>Biomedical Engineering Design</u></a>	MWF 5:20-6:00pm Glucksberg, O'Neill, Fisher		
<a href="#"><u>390-2</u></a>	<a href="#"><u>Biomedical Engineering Design</u></a>		MWF 4:00-5:50 Glucksberg, O'Neill, Fisher	
<a href="#"><u>395</u></a>	<a href="#"><u>Introduction to Drug Delivery</u></a>		MWF 11am-11:50am Patrick Kiser (Lab: T 1pm-3:50pm)	
<a href="#"><u>399</u></a>	<a href="#"><u>Research for credit P/N (pass/no-pass)</u></a>	Individual Arrangement	Individual Arrangement	Individual Arrangement
<a href="#"><u>401-0-01</u></a>	<a href="#"><u>Advanced Systems Physiology</u></a>	POSTPONED		
<a href="#"><u>402-0-01</u></a>	<a href="#"><u>Advanced Systems Physiology</u></a>		TTh 11:00am-12:30pm Backman	
<a href="#"><u>402-0-20</u></a>	<a href="#"><u>Advanced Systems Physiology (Discussion)</u></a>		M 9:00-9:50am Backman	
<a href="#"><u>402-0-21</u></a>	<a href="#"><u>Advanced Systems Physiology (Discussion)</u></a>		W 9:00-9:50am Backman	

<a href="#"><u>402-0-21</u></a>	<a href="#"><u>Advanced Systems Physiology (Discussion)</u></a>		W 9:00-9:50am Backman	
<a href="#"><u>402-0-22</u></a>	<a href="#"><u>Advanced Systems Physiology (Lab)</u></a>		T 8:00-9:30am Troy	
<a href="#"><u>403-0-01</u></a>	<a href="#"><u>Advanced Systems Physiology</u></a>			MWF 9:00-9:50am Ankeny
<a href="#"><u>403-0-20</u></a>	<a href="#"><u>Advanced Systems Physiology (Discussion)</u></a>			W 10am-11:20am, Th 1:00-1:50pm Ankeny, Kamat
<a href="#"><u>403-0-21</u></a>	<a href="#"><u>Advanced Systems Physiology (Discussion)</u></a>			W 10am-11:20am, Th 2:00-2:50pm Ankeny, Kamat
<a href="#"><u>407-0-01</u></a>	<a href="#"><u>Experimental Design and Measurement, formerly 495-0-60</u></a>	TTh 2:40- 4:00pm Ankeny		
<a href="#"><u>427-0-01</u></a>	<a href="#"><u>Advanced MRI Imaging</u></a>			MW 5:00-6:20pm, Chicago Campus Markl
<a href="#"><u>444-0-01</u></a>	<a href="#"><u>Organic Nanomaterials</u></a>	TTh 5:00- 6:20pm Gianneschi		
<a href="#"><u>448-0-01</u></a>	<a href="#"><u>Cardiovascular Biology &amp; Engineering</u></a>			TTh 9:30-10:50am Liu

<a href="#"><u>469</u></a>	<a href="#"><u>Neural Control and Mechanics of Movement</u></a>		ThF 8:30-9:50am; Chicago Campus Tresch	
<a href="#"><u>478-0-01</u></a>	<a href="#"><u>Transport Fundamentals</u></a>		MWF 10:00-10:50am Johnson	
<a href="#"><u>478-0-20</u></a>	<a href="#"><u>Advanced Heat and Mass Transfer, formerly BME 450</u></a>		Th 9:30-10:50am Johnson (Lab: T 7:00-10:00pm)	
<a href="#"><u>495-0-1</u></a>	<a href="#"><u>MRI Modeling of Brain Physiology</u></a>			TBA Bright
<a href="#"><u>495-0-20</u></a>	<a href="#"><u>NUvention: Medical Innovation</u></a>	W 6:00-8:50pm Fisher	W 6:00-8:50pm Fisher	
<a href="#"><u>499-1</u></a>	<a href="#"><u>Research for credit (graded)</u></a>	Individual Arrangement	Individual Arrangement	Individual Arrangement
<a href="#"><u>512-0-01</u></a>	<a href="#"><u>Graduate Research Seminar in Biomedical Engineering</u></a>	Th 4:00-5:20pm Olds, Bright, Jiang	Th 4:00-5:20pm Olds, Bright	Th 4:00-5:20pm Olds, Bright