

Materials Science & Engineering

Materials Science Engineering (MATSCIE)

220 Intro Mat & Man **4.00 ENFORCED**

10815 AR LEC 100 MWF 1130-1230PM AUD CHRYS Wynarsky

Structure, properties, and processing relationships in engineering materials. This section is particularly well-suited for Aerospace and NERS students (minor added emphasis on composites and radiation effects on materials).

10816 P RW DIS 101 TH 1130-1230PM 3427 EECS Shahbazian
 10817 P RW DIS 102 TH 1030-1130AM 1006 DOW Odykirk
 10818 P RW DIS 103 TH 130-230PM 1014 DOW Eszlinger
 31002 P RW DIS 104 TH 1130-1230PM 3150 DOW Coyle
 25071 P RW LEC 200 MW 330-530PM 224 GFL Yalisove

This section of MSE 220 is a team based and project based version of the class where the first introduction to the material is NOT lecture, but rather annotated reading. Class time will consist of active learning activities.

There will be three group projects in this class. Students will be required to purchase an electronic textbook via the Canvas site that will be live in December. The book will cost ~\$70 or ~\$55 for a rental and students will also be required to purchase a subscription to Learning Catalytics (\$12). There are no other fees for the course.

Homework is graded for effort and honesty - not accuracy. Quizzes are graded by averaging a closed book, closed notes, individual effort, with an open book, open internet, group effort. You will be rewarded for hard work and honesty on homework and exams without the angst of 100% summative assessment. Do not purchase the book at this time. More information will be available on the following website: <http://java.engin.umich.edu/220w17>

242 Physics of Matls **4.00 ADVISORY, ENFORCED**

10819 P R LEC 001 MW 12-130PM 1014 DOW Kioupakis

242 Physics of Matls **4.00 ADVISORY, ENFORCED**

P R LEC 001 F 1130-1230PM 1670 BEYSTER

250 Prin Engr Matl **4.00 ENFORCED**

10820 S R LEC 100 MWF 930-1030AM 1571 GGBL Goldman

16396 P RW DIS 101 TH 1130-1230PM 1006 DOW Singhal

20225 P RW DIS 103 TH 130-230PM 2166 DOW Sudikoff

280 MSE Ugrad Res Opp **1.00-4.00 ADVISORY**

D IND + ARR ARR

335 Kin&Transport **4.00 ENFORCED**

10824 P RW LEC 001 MW 1030-12PM 2150 DOW Shahani

335 Kin&Transport **4.00 ENFORCED**

P RW LEC 001 F 830-930AM 2150 DOW

365 Materials Lab II **3.00 ENFORCED**

10821 S R LEC 001 M 330-430PM 3150 DOW Poudeu-Poudeu, Thornton

Labs for MSE 365 are held in the Van Vlack Undergraduate Lab, second floor of the H.H. Dow building.

For permission to register, contact Patti Vogel at pvogel@umich.edu.

16902 P RW LAB 002 T 130-530PM ARR Lopez

10822 P RW LAB 003 W 130-530PM ARR Lei

10823 P RW LAB 004 TH 12-4PM ARR Luce

440 Ceramic Materials **3.00 ADVISORY**

17869 P LEC 001 TTH 10-1130AM 2150 DOW Halloran

470 Phys Met **3.00 ADVISORY, ENFORCED**

16398 P R LEC 001 WF 130-3PM 1008 FXB Allison

480 Matls Engr Design **3.00 ENFORCED**

17366 AR LEC 001 TTH 2-330PM 1109 FXB Shtein, Taub

24377 P R LAB 002 TTH 1-2PM 1121 LBME Taub, Shtein

Lab for MSE 480 will be held in either Design lab 1 or 3 in the Duderstat or 1100 Dow North Campus, this will be

determined by your instructor

485 Design Problems **1.00-4.00 ENFORCED**

R IND + ARR ARR

490 Research Problems **1.00-3.00 ENFORCED**

R IND + ARR ARR

500 Mater Phys Chem **3.00**

16904 P LEC 001 MW 130-3PM 1006 DOW Heron

512 Phys Polymers **3.00 ADVISORY**

22093 P LEC 001 MW 430-6PM 3150 DOW Tuteja

514 Comp Matrls **3.00 ADVISORY**

18712 P W LEC 001 TTH 430-6PM 165 CHRYS Robertson

24303 P LEC 881 TTH 430-6PM ARR Robertson

520 Adv Mech Behavior **3.00 ADVISORY**

10827 P LEC 001 MW 5-630PM 1017 DOW Qi, Misra

535 Kin,Ph Trnsfm&Trnsp **3.00 ADVISORY**

16397 P LEC 001 MW 9-1030AM 2150 DOW Kieffer

559 Foundations Nano II **3.00 ADVISORY**

26914 P LEC 001 MW 12-130PM 3150 DOW Laine

562 Electron Microscopy I **4.00 ADVISORY**

21099 A LEC 001 MW 330-5PM 1010 DOW Hovden

Lab for MSE 562 will be held in the MC2 Center of NCRC North Campus Research Complex building 22

21100 P W LAB 002 T 130-430PM ARR Hovden

563 Biomole Interfaces **3.00 ADVISORY**

28361 P LEC 001 MF 11-1230PM G141 NCRC B520 Lahann

593 MSE Special Topics **3.00 ADVISORY**

29983 P LEC 040 TTH 10-1130AM 1008 EECS Love

Advanced Biomaterials - Skin: Properties, Function and Bioengineering Applications

CAT#	Course Title						CR	PREREQ	LAB FEE
Class #	CODE CMP SEC	DAYS	TIME	LOCATION	INSTRUCTOR				

An integrated course to delve into the structure and behavior of a single organ (skin) and to probe its dynamic structure and function as functions of aging, disease, trauma, and environmental interactions.

622	Ion Beam Mod						3.00	ADVISORY	
25082	P LEC 001	MW	2-330PM	2918 COOL		Wang			
690	Research Problems						1.00-16.00		
	IND +		ARR	ARR					
890	Colloq in Mat Sci						1.00		
19731	P R SEM 001	F	10-1130AM	1670 BEYSTER		Tuteja			
990	Diss-Precand						1.00-8.00	ADVISORY	
	IND +		ARR	ARR					
995	Diss-Cand						8.00	ENFORCED	
	R IND +		ARR	ARR					