

Materials Science & Engineering

Materials Science Engineering (MATSCIE)

| | | | |
|---|-------------------------------|------------------|--|
| 220 | Intro Mat & Man | 4.00 | ENFORCED |
| 10625 | A R LEC 100 MWF | 1130-1230PM | AUD CHRYS Love |
| 10626 | P RW DIS 101 TH | 1130-1230PM | 1003 EECS Beck |
| 10627 | P RW DIS 102 TH | 130-230PM | 1003 EECS Dong |
| 10628 | P RW DIS 103 TH | 1030-1130AM | 185 EWRE Beck |
| 22227 | P RW LEC 200 TTH | 330-530PM | 133 CHRYS Yalisove, Nath, Schrider, Sharma |
| <p>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 a 20 minute lecture followed by active learning activities. There will be two group projects in this class. Students will be required to purchase an electronic textbook on Perusall.com (~\$70 perpetual, ~\$55 rental) and 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. Exams 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/220f16</p> | | | |
| 29563 | A R LEC 300 MWF | 830-930AM | 1670 BEYSTER Sevenser |
| 30470 | P RW DIS 301 TH | 1030-1130AM | 1014 DOW |
| 30472 | P RW DIS 303 TH | 130-230PM | 1018 DOW |
| 250 | Prin Engr Matl | 4.00 | ENFORCED |
| 10630 | A R LEC 100 MWF | 930-1030AM | 1571 GGBL Wynarsky |
| <p>Structure, properties, and processing relationships in engineering materials with applications to biomaterials.</p> | | | |
| 10631 | P RW DIS 101 TH | 1130-1230PM | 1006 DOW Del Gaudio |
| 20641 | P RW DIS 102 TH | 130-230PM | 2150 DOW Occena |
| 20781 | P RW DIS 103 TH | 130-230PM | 1010 DOW Jen |
| 20640 | P RW DIS 104 TH | 1130-1230PM | 104 EWRE Wu |
| 280 | MSE Ugrad Res Opp | 1.00-3.00 | ADVISORY |
| | I IND + | ARR | ARR |
| 330 | Thermo of Matls | 4.00 | ADVISORY, ENFORCED |
| 10638 | P R LEC 001 MW | 12-130PM | 1303 EECS Halloran |
| 330 | Thermo of Matls | 4.00 | ADVISORY, ENFORCED |
| | P R LEC 001 F | 1230-130PM | 1200 EECS |
| 350 | Structures of Matls | 4.00 | ENFORCED |
| 10632 | P R LEC 001 MW | 10-1130AM | 1014 DOW Qi |
| 350 | Structures of Matls | 4.00 | ENFORCED |
| | P R LEC 001 F | 130-230PM | 1200 EECS |
| 360 | Materials Lab I | 3.00 | ADVISORY |
| 10633 | S R LEC 001 M | 230-330PM | 1311 EECS Millunchick |
| <p>Labs for MSE 360 are held in the Van Vlack Undergraduate Lab, second floor of the H.H. Dow building</p> | | | |
| 10634 | P RW LAB 002 T | 130-530PM | ARR Murphy |
| 10635 | P RW LAB 003 TH | 12-4PM | ARR Thompson |
| 14642 | P RW LAB 004 W | 130-530PM | ARR Adams |
| 400 | EMO Mod Dev Tech | 3.00 | ADVISORY, ENFORCED |
| 10636 | P R LEC 001 TTH | 10-1130AM | 3150 DOW Goldman |
| 410 | Biomaterials | 3.00 | ENFORCED |
| 14911 | P DR LEC 001 MW | 10-1130AM | 133 CHRYS Mehta, Hughes |
| <p>For permission to register, contact Maria Steele at msteele@umich.edu.</p> | | | |
| 412 | Polymeric Materials | 3.00 | ENFORCED |
| 10637 | P RW LEC 001 TTH | 830-10AM | 1017 DOW Robertson |
| 420 | Mech Behavior Matrls | 3.00 | ADVISORY, ENFORCED |
| 15101 | P RW LEC 001 TTH | 230-4PM | 1010 DOW Allison |
| 454 | Comp Approaches MSE | 3.00 | ENFORCED |
| 25501 | P RW LEC 001 MTH | 4-530PM | ARR Thornton |
| <p>MSE 454 will be held in the Van Vlack Lab 2nd floor of Dow.</p> | | | |
| 489 | Matls Proc Design | 3.00 | ADVISORY, ENFORCED |
| 17034 | P RW LEC 001 MW | 230-4PM | G906 COOL Shtein, Becker |
| 490 | Research Problems | 1.00-3.00 | ENFORCED |
| | DR IND + | ARR | ARR |
| 510 | Materials Chem | 3.00 | ADVISORY |
| 16203 | P W LEC 100 TTH | 830-10AM | 1250 USB McCrory |
| 516 | Films-Layered Matls | 3.00 | ADVISORY |
| 30515 | P W LEC 001 MW | 2-330PM | 1008 EECS Thouless |
| 517 | Adv Function Poly | 3.00 | ENFORCED |
| 21253 | P R LEC 001 TTH | 430-6PM | 2166 DOW Kim |
| 532 | Adv Therm Matrls | 3.00 | ADVISORY |
| 16546 | P W LEC 001 MW | 10-1130AM | 1006 DOW Marquis |
| 550 | Fund Mat Sci & Eng | 3.00 | ADVISORY |
| 28584 | PI LEC 001 TTH | 330-530PM | 133 CHRYS Yalisove, Nath, Sharma, Schrider |
| <p>Register by instructor permission only; This 550 section is only for incoming MSE graduate students with non-MSE undergraduate major.</p> | | | |
| 554 | Comput Methods | 3.00 | ADVISORY |
| 30102 | P LEC 001 MW | 1130-1PM | 1014 DOW Kieffer |
| 560 | Structure Matrls | 3.00 | ADVISORY |
| 18623 | P LEC 001 MW | 3-430PM | 1014 DOW Poudeu-Poudeu |

| CAT# | Course Title | | | | | CR | PREREQ | LAB FEE |
|---|---------------------------|------|-------------|-----------|------------|-------------------|-----------------|---------|
| Class # | CODE CMP SEC | DAYS | TIME | LOCATION | INSTRUCTOR | | | |
| 577 | Failure Analys | | | | | 3.00 | ADVISORY | |
| 30048 | P LEC 001 | TTH | 430-6PM | 3150 DOW | Jones | | | |
| 593 | MSE Special Topics | | | | | 3.00 | ADVISORY | |
| 25025 | P LEC 001 | MW | 830-10AM | 2150 DOW | Laine | | | |
| Advanced Ceramics. This course will survey the status of a series of high profile topics including recent progress in the use of ceramics in energy production and storage including lithium batteries, thermoelectric materials, fuel cells, photovoltaic and related electronic devices, ceramic composites for new GE jet engines, prosthetic devices (knee and hip implants). It will also cover bottom up processing or atomic level assembly using gas and liquid phase processing and the use of nanopowders in processing in the above subject areas. Guest lectures from specialists in the fields will be included. | | | | | | | | |
| 690 | Research Problems | | | | | 1.00-16.00 | | |
| | D IND + | | ARR | ARR | | | | |
| 890 | Colloq in Mat Sci | | | | | 1.00 | | |
| 20016 | P R SEM 001 | F | 1030-1130AM | 1571 GGBL | Tuteja | | | |
| 990 | Diss-Precand | | | | | 1.00-8.00 | ADVISORY | |
| | D IND + | | ARR | ARR | | | | |
| 995 | Diss-Cand | | | | | 8.00 | ENFORCED | |
| | DR IND + | | ARR | ARR | | | | |