

# UNIVERSITY OF IDAHO

College of Engineering--Department of Materials Science and Engineering

## MATERIALS SCIENCE AND ENGINEERING MASTERS COURSES

Course	Instructor	Semester Offered
MSE 500 <b>Master's Research and Thesis</b> (credit arranged).	Major Professor	Fall and Spring
MSE 501 (s) <b>Seminar</b> (credit arranged). Prereq: perm.	MSE Faculty	On Demand
MSE 502 (s) <b>Directed Study</b> (credit arranged). Prereq: perm.	MSE Faculty	On Demand
MSE 504 (s) <b>Special Topics</b> (credit arrange). Prereq: perm.	MSE Faculty	On Demand
Met 508 <b>Control of Metallurgical Processes</b> (3 cr). Prereq: perm.	Keith Prisbrey	Spring
MSE 510 <b>Plasma Processing of Materials</b> (3 cr).	Keith Prisbrey	Fall
MSE 513 <b>Phase Equilibria in Materials</b> (3 cr).	Sunil Patankar	Spring
MSE 516 <b>Magnetic Materials</b> (3 cr).	Yang-Ki Hong	Spring Even Years
MSE 517 <b>Kinetics of Metallurgical Reactions</b> (3 cr).	Keith Prisbrey	On Demand
MSE 521 <b>Light Metals</b> (3 cr).	F.H. Froes	Spring Even Years
MSE 523 <b>Corrosion</b> (3 cr).	Batric Pesic	Fall
MSE 525 <b>Electronic Materials</b> (3 cr).	Yang-Ki Hong	Spring Odd Years
MSE 527 <b>Ceramic Materials</b> (3 cr).		Fall
MSE 529 <b>Melting, Casting, and Powder Metallurgy</b> (3 cr).	F.H. Froes	Spring Odd Years
MSE 536 <b>Mechanics of Composite Materials</b> (3 cr).	Keith Prisbrey	On Demand
MSE 539 <b>Advanced Mechanics of Materials</b> (3 cr).	Keith Prisbrey	On Demand
MSE 563 <b>Solid State Physics</b> (3 cr). See Phys ID&WS563.		On Demand
Met 597 (s) <b>Practicum</b> (credit arranged). Prereq: perm.	See Major Professor	On Demand
MSE 598 (s) <b>Internship</b> (credit arranged).	See Major Professor	On Demand
MSE 599 (s) <b>Non-thesis Master's Research</b> (credit arranged). Prereq: perm.	MSE Faculty	On Demand

### General Guidelines (Maintain Cumulative GPA of 3.0):

- 30 Credit Minimum
- Maximum of 10 credits of 500 Research and Thesis
- Maximum of 3 credits of workshop credits
- Maximum of 5 credits of 599 (Research for non-thesis majors)
- Minimum of 18 credits of 500 level courses
- Maximum of 12 credits may be earned in 400 level courses in supporting areas
- Maximum of 3 credits of 300 level courses in supporting areas