

Manufacturing Systems Engineering & Management
Long Range Course Schedule Plan
ALL COURSE OFFERINGS SUBJECT TO SUFFICIENT ENROLLMENT DEMAND

| Course No. | Description | Sp21 | F21 | Sp22 | F22 | Sp23 | F23 |
|-----------------|--|-------|-------|-------|-------|-------|-------|
| MSE 101/L (1/1) | Introduction to Engineering [1126] | DAY | DAY | DAY | DAY | DAY | DAY |
| MSE 220/L (2/1) | Construction Materials [1504] | DAY | --- | DAY | -- | DAY | -- |
| MSE 227/L (3) | Engineering Materials [1504] | ALL | ALL | ALL | ALL | ALL | ALL |
| MSE 248/L (2/1) | Engineering CAD & Graphics [1115] | DAY | --- | DAY | -- | DAY | -- |
| MSE 300 (3) | Construction Tech. Economy | --- | DAY | --- | DAY | -- | DAY |
| MSE 302 (3) | Women in Math., Science, & Eng. | ALL | ALL | ALL | ALL | ALL | ALL |
| MSE 303 (3) | Innovation, Invention & Tech. | ALL | ALL | ALL | ALL | ALL | ALL |
| MSE 304 (3) | Engineering Economic Analysis | ALL | ALL | ALL | ALL | ALL | ALL |
| MSE 362 (3) | Engineering Statistical Applications | AFT | -- | AFT | -- | AFT | -- |
| MSE 401 (3) | Intro to Engineering and Tech management | --- | AFT | --- | AFT | -- | AFT |
| MSE 402 (3) | Engineering Project Mgmt. [1115] | EVE | --- | EVE | -- | EVE | -- |
| MSE 403CS (3) | Facilities Planning Design [1115] | --- | AFT | --- | AFT | --- | AFT |
| MSE 406 (3) | Engineering Cost Analysis | AFT | --- | AFT | --- | AFT | --- |
| MSE 407 (3) | Production Systems | EVE | --- | EVE | --- | EVE | --- |
| MSE 409/L (2/1) | Computer-Aided Manufacturing [1115] | --- | AFT | --- | AFT | --- | AFT |
| MSE 410/L (2/1) | Mfg. Systems Modeling [1115] | EVE | --- | EVE | --- | EVE | --- |
| MSE 412/L (2/1) | Mfg. Processes [1126] | AFT | --- | AFT | --- | AFT | --- |
| MSE 415 (3) | Product Design | --- | --- | --- | NIGHT | --- | --- |
| MSE 420 (3) | Innov. & Tech Entr. | --- | NIGHT | --- | --- | --- | NIGHT |
| MSE 488A (2) | MSEM Senior Design I [1128] | --- | AFT | --- | AFT | --- | AFT |
| MSE 488B (2) | MSEM Senior Design II [1128] | AFT | --- | AFT | --- | AFT | --- |
| MSE 504 (3) | Engineering Management | NIGHT | -- | NIGHT | -- | NIGHT | -- |
| MSE 505 (3) | Engineering Decision Analysis | NIGHT | --- | NIGHT | --- | NIGHT | --- |
| MSE 507 (3) | Lean Mfg. Systems | NIGHT | NIGHT | NIGHT | NIGHT | NIGHT | NIGHT |
| MSE 508/L (2/1) | CAD/CAM Systems [1126] | -- | EVE | -- | EVE | -- | EVE |
| MSE 509 (3) | CAM Systems | EVE | | EVE | | EVE | |
| MSE 511/L (2/1) | Robotics [1128] | | EVE | | EVE | | EVE |
| MSE 512 (3) | MEMS Fabrication | | NIGHT | | | | NIGHT |
| MSE 513 (3) | NDE Methods [1128] | | | NIGHT | | NIGHT | |
| MSE 514 (3) | Reliability Maintainability | NIGHT | | | | | |
| MSE 516/L (2/1) | CAD/CAM CATIA I [1126] | EVE | | EVE | | EVE | |
| MSE 523 (3) | Composite Materials | NIGHT | | | | NIGHT | |
| MSE 527/L (2/1) | Mech. Behavior of Materials [1504] | | EVE | | | | EVE |
| MSE 528/L (2/1) | Principles Mtls. Engineering [1504] | | | | NIGHT | | |

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|----------------------|---|----------------|-------|-------|-------|-------|-------|
| MSE 531 (3) | Corrosion [1554] | --- | NIGHT | --- | --- | --- | NIGHT |
| MSE 536 (3) | Intro. Adv. Biomaterials | --- | --- | --- | | --- | NIGHT |
| MSE 550 (3) | Thin Film Technology | NIGHT | --- | --- | --- | NIGHT | --- |
| MSE 556 (3) | Nanomaterials Nanotechnology | NIGHT | --- | | --- | NIGHT | --- |
| MSE 600 (3) | Decision Tools for Engineering Managers | NIGHT | NIGHT | NIGHT | NIGHT | NIGHT | NIGHT |
| MSE 602 (3) | Entrepreneurship & Innovation For Engineers | NIGHT | --- | NIGHT | --- | NIGHT | --- |
| MSE 603 (3) | Computer Integrated Mfg. [1115] | --- | NIGHT | --- | NIGHT | --- | NIGHT |
| MSE 604 (3) | Engineering Economy and Financial Analysis | --- | NIGHT | --- | NIGHT | --- | NIGHT |
| MSE 606 (3) | Production and Operations Management for Engineers | - NIGHT - - | NIGHT | --- | NIGHT | --- | NIGHT |
| MSE 608B (3) | Leadership of Engineering Professionals | NIGHT | NIGHT | NIGHT | NIGHT | NIGHT | NIGHT |
| MSE 608C (3) | Engineering Financial & Cost Anlys. | --- | --- | --- | --- | --- | -- |
| MSE 609 (3) | Advanced Topics in CAD/CAM | --- | NIGHT | --- | NIGHT | --- | --- |
| MSE 610 (3) | Eng. Supply Chain Systems | --- | NIGHT | --- | NIGHT | --- | --- |
| MSE 611 (3) | Robotics Prog. Automation [1115] | NIGHT | --- | NIGHT | --- | NIGHT | --- |
| MSE 614 (3) | Intelligent Mfg. | --- | --- | NIGHT | --- | NIGHT | --- |
| MSE 617 (3) | Qual. Engineering | NIGHT | NIGHT | NIGHT | NIGHT | NIGHT | NIGHT |
| MSE 618 (3) | Six Sigma Qual. Engineering | NIGHT | NIGHT | NIGHT | NIGHT | NIGHT | NIGHT |
| MSE 624 (3) | Failure Analysis | --- | --- | NIGHT | --- | --- | --- |
| MSE 629 (3) | Phase Transformations | NIGHT | --- | --- | --- | NIGHT | --- |
| MSE 630 (3) | Electronic Materials | --- | --- | --- | NIGHT | --- | --- |
| MSE 690 (3) | Materials Eng. Practicum | ALL | ALL | ALL | ALL | ALL | ALL |
| MSE 697MFS (3) | Mfg. Sys Comps | ALL | ALL | ALL | ALL | ALL | ALL |
| MSE 697MFG (3) | Eng. Mgmt. Comps | ALL | ALL | ALL | ALL | ALL | ALL |
| MSE 697MTL (3) | Eng. Mgmt. Comps | ALL | ALL | ALL | ALL | ALL | ALL |

Legend:

DAY ≈ 9am-12pm

AFT ≈ 12pm-4pm

EVE ≈ 4pm-7pm

NIGHT ≈ 7pm-10pm