

DATE: 01-17-2017
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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,165

COLLEGE : J - Engineering
 DEPARTMENT: AERONAUTICAL & ASTRO

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | | U N E | P | & N C M S N | A S W T P R G | | | | | | | |
| A A | 101 AIR/SPACE VEHICLES AIR AND SPACE VEHICLES | AUT/1997 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | Y | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/11/16 APPROVED: 2/14/97 FEE TYPE:1 \$25.00 BUDGET:069310 REV OBJ CD:943081 | | | | | | | | | | | | | |
| A A | 198 SPECIAL TOPICS Special Topics in Aeronautics and Astronautics | SUM/2009 - AUT/9999 | 1.0-05.0 | 10.0 | . | . | . | . | . | . | Y | . | . | . | . | . | . |
| | | | | LAST UPDT: 4/21/09 APPROVED: 4/21/09 | | | | | | | | | | | | | |
| A A | 210 ENGR STATICS Engineering Statics | WIN/2013 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | Y | . | . | . | . | . | . |
| | | | | LAST UPDT:12/05/12 APPROVED: 3/15/99 | | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | |
| A A | 260 THERMODYNAMICS Thermodynamics | WIN/2013 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | Y | . | . | . | . | . | . |
| | | | | LAST UPDT:12/05/12 APPROVED: 2/23/96 | | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | |
| A A | 299 UNDERGRAD RESEARCH Undergraduate Research | WIN/2007 - AUT/9999 | 1.0-05.0 | 10.0 | . | CR/NC | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/14/06 APPROVED:11/14/06 | | | | | | | | | | | | | |
| A A | 301 COMP AERODYNAMICS Compressible Aerodynamics | SUM/2013 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/05/13 | | | | | | | | | | | | | |
| | | | | COMMENT:CHG DESC, PREQ | | | | | | | | | | | | | |
| A A | 302 INCOMP AERODYNAMICS Incompressible Aerodynamics | SPR/2013 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/05/13 | | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | |
| A A | 310 ORB SPACE FLIGHT Orbital and Space Flight Mechanics | AUT/2000 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/28/00 APPROVED: 5/06/71 | | | | | | | | | | | | | |
| | | | | COMMENT:CD PROOF PREREQ CHANGE | | | | | | | | | | | | | |
| A A | 311 ATM FLIGHT MECH Atmospheric Flight Mechanics | AUT/2016 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 8/25/16 APPROVED: 6/03/71 | | | | | | | | | | | | | |

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COLLEGE : J - Engineering
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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL | U | | GRD | E | U | N | E | P | & | N | | | |
| A A | 420 SPACE SYS DESIGN I Spacecraft and Space Systems Design I | WIN/2017 - AUT/9999 | 4.0 | . | . | 12 | . | . | Y | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 8/11/16 APPROVED: 6/28/79 | | | | | | | | | | | | | |
| | | | | FEE TYPE:1 \$50.00 BUDGET:069310 REV OBJ CD:943081 | | | | | | | | | | | | | |
| A A | 421 SPACE SYS DESIGN II Spacecraft and Space System Design II | AUT/2000 - AUT/9999 | 4.0 | . | . | 22 | . | . | Y | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 7/17/15 APPROVED:10/27/89 | | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREREQ CHANGE FEE TYPE:1 \$50.00 BUDGET:069310 REV OBJ CD:943081 | | | | | | | | | | | | | |
| A A | 430 FINTE ELEMENT ANALYS Finite Element Analysis in Aerospace | AUT/2009 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/15/09 | | | | | | | | | | | | | |
| | | | | COMMENT:CHG TITLES | | | | | | | | | | | | | |
| A A | 431 PLATES AND SHELLS PLATES AND SHELLS | WIN/1976 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 4/03/97 | | | | | | | | | | | | | |
| | | | | COMMENT:CHANGE DESCRIPTION | | | | | | | | | | | | | |
| A A | 432 AERO COMPOSITES Composite Materials for Aerospace Structures | AUT/2000 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/28/00 APPROVED: 2/23/89 | | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREREQ CHANGE | | | | | | | | | | | | | |
| A A | 440 FLIGHT MECH I Flight Mechanics I | WIN/2017 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 8/11/16 | | | | | | | | | | | | | |
| A A | 441 FLIGHT TEST ENGR Flight Test Engineering | AUT/2010 - AUT/9999 | 3.0 | . | . | . | . | . | Y | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 7/17/15 | | | | | | | | | | | | | |
| | | | | COMMENT:10-12 PREQ CHG FEE TYPE:1 \$45.00 BUDGET:069310 REV OBJ CD:943081 | | | | | | | | | | | | | |
| A A | 447 CONT IN AEROSP Control in Aerospace Systems | SUM/2013 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/05/13 | | | | | | | | | | | | | |
| | | | | COMMENT:CHG DESC | | | | | | | | | | | | | |
| A A | 448 CTRL SYS SEN & ACT Control Systems Sensors and Actuators | WIN/2014 - AUT/9999 | 3.0 | . | . | . | . | . | Y | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/05/13 APPROVED:12/06/93 | | | | | | | | | | | | | |
| | | | | COMMENT:DROP JT STATUS, CHG PREQ, DESC FEE TYPE:1 \$45.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | |

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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL | U | | GRD | E | U | N | E | P | & | N | | | |
| A A | 534 COMPOSITE STRUCT Integrity of Composite Aircraft Structures | WIN/2012 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | | | | |
| A A | 535 ADV COMPOSITE STRUC Advanced Composite Structural Analysis | SPR/2012 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | A A | 535 M E | 500 | . |
| | | | | | | | | | | | | | | | | | |
| A A | 538 STRUCTURAL OPTIM Introduction to Structural Optimization | SUM/2008 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | | | | . |
| | | | | | | | | | | | | | | | | | |
| A A | 540 FINITE ELM ANLYS I Finite Element Analysis I | WIN/1984 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | | | | . |
| | COMMENT:CHANGE DESCRIPTION | | | | | | | | | | | | | | | | |
| A A | 541 FINITE ELM ANLYS II Finite Element Analysis II | WIN/1984 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | | | | . |
| | COMMENT:CHANGE DESCRIPTION | | | | | | | | | | | | | | | | |
| A A | 543 CFD Computational Fluid Dynamics | AUT/2010 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | | | | . |
| | COMMENT:CHG TITLES, DESC | | | | | | | | | | | | | | | | |
| A A | 544 TURBULENCE MODELING Turbulence Modeling and Simulation | AUT/2010 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | | | | . |
| | COMMENT:CHG TITLES, DESC, PREQ | | | | | | | | | | | | | | | | |
| A A | 545 COMP MTHDS PLASMAS Computational Methods for Plasmas | SPR/2007 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | | | | . |
| | | | | | | | | | | | | | | | | | |
| A A | 546 ADV TPCS CTRL SYST Advanced Topics in Control System Theory | AUT/2005 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | | | | . |
| | | | | | | | | | | | | | | | | | |
| A A | 547 LINEAR SYSTEMS Linear Systems Theory | AUT/2005 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | E E | 547 E E | 547 | . |
| | COMMENT:CHG JOINT #S,PREREQ | | | | | | | | | | | | | | M E | 547 | |

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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | | E | U N E | P | & N C M S N | A S W T P R G | | | | | | |
| A A 557 | PHYS FUSION PLASMAS Physics of Fusion Plasmas | SUM/1998 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/03/98 | | APPROVED: 1/29/98 | | | | | | | | | | | |
| A A 558 | PLASMA THEORY Plasma Theory | SUM/1998 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/02/98 | | COMMENT:REPLACES A A 557 | | | | | | | | | | | |
| A A 559 | PLASMA SCIENCE SMNR Plasma Science Seminar | SUM/1998 - AUT/9999 | 1.0 | 30.0 | . | CR/NC | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 5/16/13 | | APPROVED: 1/24/96 | | COMMENT:WAS A A 558, 5/2013 RETRO MAX | | | | | | | | | |
| A A 560 | PLASMA DIAGNOSTICS Plasma Diagnostics | WIN/2007 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/13/06 | | APPROVED:12/13/06 | | | | | | | | | | | |
| A A 564 | KIN THRY RADIAT TR Kinetic Theory/Radiative Transfer | AUT/2009 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 4/20/09 | | COMMENT:WAS A A 503 | | | | | | | | | | | |
| A A 565 | FUSION REACTOR FNDM Fusion Reactor Fundamentals | WIN/1993 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:10/02/06 | | APPROVED: 3/29/93 | | COMMENT:WAS NUC E 565 | | | | | | | | | |
| A A 570 | MANIFOLDS AND GEOM Manifolds and Geometry for Systems and Control | AUT/2007 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | A A 570 | E E | 570 | . |
| | | | | LAST UPDT: 4/05/07 | | APPROVED: 2/21/07 | | | | | | | | | | | |
| A A 571 | PRIN OF DYNAM I Principles of Dynamics I | AUT/1969 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 0/00/00 | | | | | | | | | | | | | |
| A A 578 | CONVEX OPTIMIZATION Convex Optimization | WIN/2016 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | A A 578 | E E | 578 | . |
| | | | | LAST UPDT: 2/26/16 | | APPROVED: 3/29/05 | | | | | | | | | | | |
| A A 580 | GEOMETRIC METHODS Geometric Methods for Non-Linear Control Systems | SPR/2007 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | A A 580 | E E | 580 | . |
| | | | | LAST UPDT: 2/25/16 | | APPROVED: 2/21/07 | | | | | | | | | | | |

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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| A A | 595 | GLBL INT SYS ENGR Global Integrated Systems Engineering | AUT/2016 - AUT/9999 4.0-05.0 | 9.0 | . | . | 11 | . | . | . | . | . | . | . | IND E 595 | IND E 595 | . |
| | | | | LAST UPDT: 1/10/17 | | APPROVED: 6/17/08 | | | | | | | | | | | |
| A A | 596 | GISE PROJECT Global Integrated Systems Engineering Project | SPR/2011 - AUT/9999 3.0 | . | . | . | . | . | . | . | . | . | . | . | IND E 596 | IND E 596 | . |
| | | | | LAST UPDT: 8/27/10 | | APPROVED: 8/24/10 | | | | | | | | | | | |
| A A | 597 | NETWORKED DYN SYS Networked Dynamics Systems | AUT/2008 - AUT/9999 3.0 | . | . | . | . | . | . | . | . | . | . | A A 597 | E E 597 | . | |
| | | | | LAST UPDT: 2/20/08 | | APPROVED: 2/19/08 | | M E 597 | | | | | | | | | |
| A A | 598 | SPECIAL TOPICS Special Topics in Aeronautics and Astronautics | AUT/2009 - AUT/9999 1.0-05.0 | 30.0 | Y | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 5/16/13 | | APPROVED: 6/16/09 | | | | | | | | | | | |
| | | | | COMMENT:5/2013 RETRO MAX | | | | | | | | | | | | | |
| A A | 599 | SPECIAL PROJECTS Special Projects | SPR/1976 - AUT/9999 1.0-05.0 | 30.0 | Y | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 5/16/13 | | | | | | | | | | | | | |
| | | | | COMMENT:5/2013 RETRO MAX | | | | | | | | | | | | | |
| A A | 600 | INDEPN DNT STDY/RSCH Independent Study or Research | SUM/1969 - AUT/9999 0.0 | 999.0 | Y | . | 11 | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 5/07/12 | | | | | | | | | | | | | |
| A A | 700 | MASTERS THESIS Master's Thesis | WIN/1963 - AUT/9999 0.0 | 999.0 | Y | . | 11 | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 5/07/12 | | APPROVED: 1/01/70 | | | | | | | | | | | |
| A A | 800 | DOCTORAL DISSERTATN Doctoral Dissertation | AUT/1970 - AUT/9999 0.0 | 999.0 | Y | . | 11 | . | . | . | . | . | . | . | . | . | . |
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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | | E | U N E | P | & N C M S N | A | S | W | T | | | |
| A E | 501 ANALYTICAL METHODS Analytical Methods for Aerospace Engineering | AUT/2013 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/06/13 | | APPROVED: 6/04/13 | | | | | | | | | | | |
| A E | 510 LINEAR SYSTEMS Linear Systems Theory | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/19/14 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 511 CLASSICAL CONTROL Classical Control Theory | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/19/14 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 512 STABILITY & CONTROL Dynamics, Stability, and Control of Vehicles | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/19/14 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 519 AE TOPICS: CONTROLS Special Topics in Aerospace Engineering: Controls | AUT/2014 - WIN/2017 | 4.0 | 8.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/16/16 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 519 AE TOPICS: CONTROLS Special Topics in Aerospace Engineering: Controls | SPR/2017 - SUM/2018 | 4.0 | 16.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/16/16 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 519 AE TOPICS: CONTROLS Special Topics in Aerospace Engineering: Controls | AUT/2018 - AUT/9999 | 4.0 | 8.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/16/16 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 520 FUND FLUID DYNAMICS Fundamentals of Fluid Dynamics | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 1/08/15 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 523 AIRCRAFT NOISE Aircraft Noise | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/21/14 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 529 AE TOPICS: FLUIDS Special Topics in Aerospace Engineering: Fluids | AUT/2014 - WIN/2017 | 4.0 | 8.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/16/16 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 529 AE TOPICS: FLUIDS Special Topics in Aerospace Engineering: Fluids | SPR/2017 - SUM/2018 | 4.0 | 16.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
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| A E | 529 AE TOPICS: FLUIDS Special Topics in Aerospace Engineering: Fluids | AUT/2018 - AUT/9999 | 4.0 | 8.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/16/16 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 532 ROCKET PROPULSION Rocket Propulsion | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/21/14 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 539 AE TOPICS: P/P/P Special Topics in Aerospace Engineering: Propulsion, Plasma, and Power | AUT/2014 - AUT/9999 | 4.0 | 8.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/21/14 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 540 MECHANICS OF SOLIDS Mechanics of Solids | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/21/14 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 541 FINITE ELM ANALYSIS Finite Element Analysis | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/21/14 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 542 FATIGUE & FRACTURE Fatigue and Fracture in Aerospace Structures | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/21/14 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 549 AE TOPICS: STRUC Special Topics in Aerospace Engineering: Structures | AUT/2014 - WIN/2017 | 4.0 | 8.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/16/16 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 549 AE TOPICS: STRUC Special Topics in Aerospace Engineering: Structures | SPR/2017 - SUM/2018 | 4.0 | 16.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/16/16 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 549 AE TOPICS: STRUC Special Topics in Aerospace Engineering: Structures | AUT/2018 - AUT/9999 | 4.0 | 8.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/16/16 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 550 MECH OF COMPOSITES Mechanics of Composite Materials | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/21/14 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 553 ADV COMPOSITE STRUC Advanced Composite Structural Analysis | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/21/14 | | APPROVED:11/18/14 | | | | | | | | | | | |

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 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,180

COLLEGE : J - Engineering
 DEPARTMENT: AERONAUTICAL & ASTRO

| CURRIC NUM | COURSE TITLE | EFFECTIVE | QUARTERS | CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS | JOINT | O |
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| | | | | | -ALL | U | | GRD | E | U | N | E | P | & | N | | | |
| A E | 559 AE TOPICS: COMPSTS Special Topics in Aerospace Engineering: Composites | AUT/2014 - WIN/2017 | 4.0 | 4.0 | 8.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT:12/16/16 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 559 AE TOPICS: COMPSTS Special Topics in Aerospace Engineering: Composites | SPR/2017 - SUM/2018 | 4.0 | 4.0 | 16.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT:12/16/16 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 559 AE TOPICS: COMPSTS Special Topics in Aerospace Engineering: Composites | AUT/2018 - AUT/9999 | 4.0 | 4.0 | 8.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT:12/16/16 | | APPROVED:11/18/14 | | | | | | | | | | | |
| A E | 598 AERO ENG COLLOQUIUM Aerospace Engineering Colloquium | AUT/2013 - AUT/9999 | 1.0 | 1.0 | 30.0 | . | CR/NC | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT: 1/15/14 | | APPROVED: 6/04/13 | | | | | | | | | | | |

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REPORT: SR21010-R-01 K
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COLLEGE : J - Engineering
 DEPARTMENT: CHEMICAL ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | | U N E | P | & N C M S N | A S W T P R G | | | | | | | |
| CHEM E 561 | ELECTRONS AT SURFS ELECTRONS AT SURFACES | WIN/1997 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/25/96 | | APPROVED:11/18/96 | | | | | | | | | | | |
| CHEM E 564 | APPL CHEM KINETICS APPLICATIONS OF CHEMICAL KINETICS | AUT/1982 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:CHG DESC | | | LAST UPDT:12/11/12 | | APPROVED: 2/18/71 | | | | | | | | | | | |
| CHEM E 565 | KINETIC & CATALYSIS Kinetics and Catalysis | WIN/1978 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 0/00/00 | | | | | | | | | | | | | |
| CHEM E 566 | GAS AIR POLL CONT CONTROL OF GASEOUS AIR POLLUTANTS | WIN/2001 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | CHEM E566 CEE | 558 | . | . |
| | COMMENT:CHG JT STATUS | | | LAST UPDT: 2/07/14 | | APPROVED:12/01/83 | | | | | | | | | | | |
| CHEM E 567 | PART AIR POLL CONT CONTROL OF PARTICULATE AIR POLLUTANTS | AUT/1984 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | CHEM E567 CEE | 559 | . | . |
| | | | | LAST UPDT: 2/07/14 | | APPROVED:12/15/83 | | | | | | | | | | | |
| CHEM E 570 | HIGH POLYMERS CHEMISTRY OF HIGH POLYMERS | SPR/1972 - AUT/9999 | 3.0 | 6.0 | Y | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 8/02/13 | | | | | | | | | | | | | |
| CHEM E 571 | POLY PHYS ENGR POLYMER PHYSICS AND ENGINEERING | SPR/1978 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 0/00/00 | | APPROVED:10/01/77 | | | | | | | | | | | |
| CHEM E 572 | ADV POLY COMP ADVANCED POLYMERIC COMPOSITES | AUT/1982 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 0/00/00 | | APPROVED: 2/01/82 | | | | | | | | | | | |
| CHEM E 575 | NONLINEAR ANALYSIS NONLINEAR ANALYSIS IN CHEMICAL ENGINEERING | SPR/1974 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:CHG TITLES, CREDITS | | | LAST UPDT:12/11/12 | | APPROVED: 5/23/63 | | | | | | | | | | | |
| CHEM E 580 | TOPICS CH E DESIGN Topics in Chemical Engineering Design | AUT/2012 - AUT/9999 | 3.0 | 9.0 | Y | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:12-14 DESC CHG | | | LAST UPDT: 9/17/12 | | APPROVED: 3/28/74 | | | | | | | | | | | |

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COLLEGE : J - Engineering
 DEPARTMENT: CHEMICAL ENGR

| COURSE CURRIC NUM | TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T | |
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| | | | | -ALL U MAX | GRD P | | GRD SYS | E D | U M | R R | E E | F R | L A | I S | | | | E W |
| CHEM E 582 | ADVANCED CONTROL ADVANCED TOPICS IN PROCESS CONTROL | SPR/1988 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 3/04/05 | | APPROVED: 12/01/87 | | | | | | | | | | | | |
| CHEM E 584 | ELECTRONIC POLYMERS Electronic and Optoelectronic Polymers | AUT/2003 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | COMMENT: CONVERSION OF TEMP COURSE | | | LAST UPDT: 6/26/03 | | APPROVED: 6/25/03 | | | | | | | | | | | | |
| CHEM E 588 | RES APPL MICROBIOL Research in Applied Microbiology | AUT/1997 - AUT/9999 | 1.0 | 30.0 | . | CR/NC | . | . | . | . | . | . | . | . | . | CHEM E588 | MICROM588 | |
| | COMMENT: 5/2013 RETRO MAX | | | LAST UPDT: 5/02/13 | | APPROVED: 4/15/97 | | | | | | | | | | | | |
| CHEM E 590 | ADV BIOMATERIALS Advanced Topics in Biomaterials | SPR/1986 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | BIOEN 590 | BIOEN 590 | |
| | | | | LAST UPDT: 10/04/94 | | APPROVED: 11/25/85 | | | | | | | | | | | | |
| CHEM E 591 | ROBOT & CONTR COLL Robotics and Control Systems Colloquium | AUT/1996 - AUT/9999 | 1.0 | 30.0 | Y | CR/NC | . | . | . | . | . | . | . | . | A A | 591 A A | 591 | |
| | COMMENT: 5/2013 RETRO MAX | | | LAST UPDT: 5/16/13 | | APPROVED: 10/27/93 | | | | | | | | | | | | |
| CHEM E 593 | ADV SURFACE ANLYS Advanced Surface Analysis | AUT/2012 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | BIOEN 593 | BIOEN 593 | |
| | | | | LAST UPDT: 4/18/12 | | APPROVED: 4/17/12 | | | | | | | | | | | | |
| CHEM E 599 | CURRENT TPCS CH E Current Topics in Chemical Engineering | WIN/2009 - AUT/9999 | 1.0-05.0 | 12.0 | Y | . | . | . | . | . | . | . | . | . | . | . | . | |
| | COMMENT: CHG CREDITS | | | LAST UPDT: 11/19/08 | | | | | | | | | | | | | | |
| CHEM E 600 | INDEPENDNT STDY/RSH Independent Study or Research | SPR/1972 - AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 8/02/13 | | APPROVED: 11/01/74 | | | | | | | | | | | | |
| CHEM E 700 | MASTERS THESIS Master's Thesis | AUT/1967 - AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 4/19/10 | | APPROVED: 11/01/74 | | | | | | | | | | | | |
| CHEM E 800 | DOCTORAL DISSERTATN Doctoral Dissertation | SUM/1976 - AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 4/19/10 | | APPROVED: 1/01/70 | | | | | | | | | | | | |

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REPORT: SR21010-R-01 K
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COLLEGE : J - Engineering
 DEPARTMENT: CIVIL & ENV ENGINEERING

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL | U | | GRD | E | U | N | E | P | & | N | | | |
| CEE 506 | NONLNR ANLY STR SYS Nonlinear Analysis of Structural Systems | AUT/2007 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:10/04/07 | | APPROVED: 3/13/07 | | | | | | | | | | | |
| CEE 507 | STRUC STABILITY Structural Stability | WIN/2016 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/19/15 | | APPROVED:11/17/15 | | | | | | | | | | | |
| CEE 509 | ENGR ROME: STDY ABRD Engineering Rome: Study Abroad | SPR/2015 - AUT/9999 | 5.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:CHG CREDITS, HYPHEN | | | LAST UPDT:12/16/14 | | APPROVED: 5/15/12 | | | | | | | | | | | |
| CEE 511 | ADV REINF CONCRETE Advanced Reinforced Concrete | AUT/2008 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:PREQ CHG PER 08-10 UPDATE | | | LAST UPDT: 1/02/08 | | APPROVED: 1/28/00 | | | | | | | | | | | |
| CEE 512 | ADV STRUCTURAL SYS Advanced Structural Systems | AUT/2012 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:12-14 DESC CHG | | | LAST UPDT: 7/10/12 | | APPROVED: 1/28/00 | | | | | | | | | | | |
| CEE 513 | ADVANCED STEEL I Advanced Steel I | WIN/2008 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:EMAIL PREQ CHG | | | LAST UPDT:11/01/07 | | APPROVED: 1/28/00 | | | | | | | | | | | |
| CEE 515 | EARTHQUAKE ENGR I Earthquake Engineering I | WIN/2001 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:WAS CESM 514 | | | LAST UPDT:10/12/06 | | APPROVED: 8/23/00 | | | | | | | | | | | |
| CEE 516 | EARTHQUAKE ENGR II Earthquake Engineering II | WIN/2001 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:WAS CESM 515 | | | LAST UPDT:10/12/06 | | APPROVED: 8/23/00 | | | | | | | | | | | |
| CEE 517 | WIND ENGR DESIGN Wind Engineering Design | SPR/2004 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:CHG TITLES | | | LAST UPDT:10/12/06 | | APPROVED: 1/28/00 | | | | | | | | | | | |

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COLLEGE : J - Engineering
 DEPARTMENT: CIVIL & ENV ENGINEERING

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | | E | U N E | P | & N C M S N | A S W T P R G | | | | | | |
| CEE 580 | URBAN TRANSPORT PLG Urban Transportation Planning | AUT/2002 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 4/01/02 | | APPROVED: 3/25/02 | | | | | | | | | | | |
| CEE 581 | TRAVEL DEMAND FCAST Travel Demand Forecasting | WIN/2001 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/29/00 | | APPROVED: 6/28/00 | | | | | | | | | | | |
| CEE 582 | INTELLGNT TRANS SYS Intelligent Transportation Systems | AUT/2000 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/29/00 | | APPROVED: 6/28/00 | | | | | | | | | | | |
| CEE 583 | TRANSP ENRGY & SUST Transportation Energy and Sustainability | SPR/2016 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 9/23/15 | | APPROVED: 9/15/15 | | | | | | | | | | | |
| CEE 584 | ANYL METH TRANS I Analytical Methods in Transportation I | SUM/2015 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | CEE 584 IND E 546 | . | . | . |
| | | | | LAST UPDT: 4/01/15 | | APPROVED: 1/28/00 | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | |
| CEE 585 | ANLY METH TRANSP II Analytical Methods in Transportation II | AUT/2000 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/29/00 | | APPROVED: 6/28/00 | | | | | | | | | | | |
| CEE 586 | PEDESTRIAN TRAVEL Pedestrian Travel, Land Use, and Urban Form | AUT/2008 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | URBDP 576 | URBDP 576 | . | . |
| | | | | LAST UPDT: 3/18/08 | | APPROVED: 3/18/08 | | | | | | | | | | | |
| CEE 587 | GTTL MANAGEMENT Global Trade, Transportation, and Logistics Management | WIN/2012 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:10/30/12 | | APPROVED: 9/22/97 | | | | | | | | | | | |
| | | | | COMMENT:DROP JT STATUS | | | | | | | | | | | | | |
| CEE 588 | ENERGY INFRA & ENV Energy Infrastructure and the Environment | WIN/2012 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/21/11 | | APPROVED: 1/18/11 | | | | | | | | | | | |
| | | | | COMMENT:ADD DL | | | | | | | | | | | | | |
| CEE 589 | TRANSIT SYSTEMS PLG Transit Systems Planning | WIN/2001 - AUT/9999 | 3.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 7/17/15 | | APPROVED: 8/23/00 | | | | | | | | | | | |
| | | | | COMMENT:WAS CETS 541 | | | | | | | | | | | | | |
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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
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REPORT: SR21010-R-01 K
 PAGE: 1,210

COLLEGE : J - Engineering
 DEPARTMENT: CIVIL & ENV ENGINEERING

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | V L | E E W | R | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | | | | | | | | |
| CEE 600 | INDEPENDENT STUDY Independent Study or Research | AUT/2016 - AUT/9999 | 1.0-05.0 | 999.0 | . | . | 11 | . | . | . | . | . | . |
| | | | | LAST UPDT: 10/25/16 | | APPROVED: 2/21/01 | | | | | | | |
| CEE 601 | INTERNSHIP Internship | AUT/2001 - AUT/9999 | 2.0 | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 7/23/14 | | APPROVED: 9/24/01 | | | | | | | |
| CEE 700 | MASTERS THESIS Master's Thesis | SUM/2000 - AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . |
| | | | | LAST UPDT: 4/19/10 | | APPROVED: 1/01/70 | | | | | | | |
| | | | | COMMENT:REPL CIVE 700 | | | | | | | | | |
| CEE 800 | DOCTORAL DISSERTATN Doctoral Dissertation | SUM/2000 - AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . |
| | | | | LAST UPDT: 4/19/10 | | APPROVED: 1/01/70 | | | | | | | |
| | | | | COMMENT:REPL CIVE 800 | | | | | | | | | |

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 DEPARTMENT: CIVIL & ENV ENGINEERING

| CURRIC NUM | COURSE TITLE | EFFECTIVE | QUARTERS | CREDITS | OVER D | | D | S H F | | | V | E E W | | | | | RESPONS | JOINT | O | | | |
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| CESI 508 | ACC & FIN CONSTR Accounting and Finance for Construction | WIN/2017 - AUT/9999 | | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |

LAST UPDT:12/22/16 APPROVED:11/15/16

DATE: 01-17-2017
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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,212

COLLEGE : J - Engineering
 DEPARTMENT: CIVIL & ENV ENGINEERING

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL | U | | GRD | E | U | N | E | P | & N | C | | | |
| SCTL 501 | LOGST AND ANALYSIS Logistics and Analysis | AUT/2013 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 4/16/13 | | APPROVED: 4/16/13 | | | | | | | | | | | |
| SCTL 502 | IT INTEGRATION IT Systems and Supply Chain Integration | AUT/2013 - WIN/2017 | 5.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:INITIAL DL | | | LAST UPDT: 5/09/13 | | APPROVED: 4/16/13 | | | | | | | | | | | |
| SCTL 502 | IT INTEGRATION IT Systems and Supply Chain Integration | SPR/2017 - AUT/9999 | 0.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:END INITIAL DL | | | LAST UPDT: 4/16/13 | | APPROVED: 4/16/13 | | | | | | | | | | | |
| SCTL 503 | INVENTORY MGMT Inventory Management | WIN/2014 - SPR/2017 | 5.0 | . | . | . | . | . | . | . | . | . | . | SCTL 503 | IND E 575 | . | . |
| | COMMENT:INITIAL DL | | | LAST UPDT: 4/16/13 | | APPROVED: 4/16/13 | | | | | | | | | | | |
| SCTL 503 | INVENTORY MGMT Inventory Management | SUM/2017 - AUT/9999 | 5.0 | . | . | . | . | . | . | . | . | . | . | SCTL 503 | IND E 575 | . | . |
| | COMMENT:END INITIAL DL | | | LAST UPDT: 4/16/13 | | APPROVED: 4/16/13 | | | | | | | | | | | |
| SCTL 504 | FAC DES & OP MGMT Facility Design and Operations Management | SPR/2014 - SUM/2017 | 5.0 | . | . | . | . | . | . | . | . | . | . | SCTL 504 | IND E 576 | . | . |
| | COMMENT:INITIAL DL | | | LAST UPDT: 4/16/13 | | APPROVED: 4/16/13 | | | | | | | | | | | |
| SCTL 504 | FAC DES & OP MGMT Facility Design and Operations Management | AUT/2017 - AUT/9999 | 5.0 | . | . | . | . | . | . | . | . | . | . | SCTL 504 | IND E 576 | . | . |
| | COMMENT:END INITIAL DL | | | LAST UPDT: 4/16/13 | | APPROVED: 4/16/13 | | | | | | | | | | | |
| SCTL 505 | SUPPLY TRANS RISKS External Supply Chain Transportation Risks | SUM/2014 - AUT/2017 | 5.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:INITIAL DL | | | LAST UPDT: 2/11/14 | | APPROVED:11/19/13 | | | | | | | | | | | |
| SCTL 505 | SUPPLY TRANS RISKS External Supply Chain Transportation Risks | WIN/2018 - AUT/9999 | 5.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:END INITIAL DL | | | LAST UPDT: 2/11/14 | | APPROVED:11/19/13 | | | | | | | | | | | |

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COLLEGE : J - Engineering
 DEPARTMENT: COMPUTER SCI & ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | | U N E | P | N | C | M | S | N | | | | |
| CSE 351 | HW SW INTERFACE The Hardware/Software Interface | SPR/2010 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/18/09 | | APPROVED:11/17/09 | | | | | | | | | | | |
| CSE 352 | HW DESIGN & IMPL Hardware Design and Implementation | SPR/2010 - AUT/9999 | 4.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 7/23/15 | | APPROVED:11/17/09 | | | | | | | | | | | |
| | | | | FEE TYPE:1 | | \$50.00 | | BUDGET:069645 | | REV | | OBJ | | CD:943081 | | | |
| CSE 369 | INTRO DIG DESIGN Introduction to Digital Design | SPR/2016 - AUT/9999 | 2.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/23/16 | | APPROVED: 6/02/15 | | | | | | | | | | | |
| CSE 370 | INTRO DIG DESIGN INTRODUCTION TO DIGITAL DESIGN | WIN/2005 - AUT/9999 | 4.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/07/14 | | APPROVED: 5/31/90 | | | | | | | | | | | |
| | | | | COMMENT:FEE CHANGE | | FEE TYPE:1 | | \$50.00 | | BUDGET:069645 | | REV | | OBJ | | CD:943081 | |
| CSE 371 | DIGITAL DESIGN Design of Digital Circuits and Systems | WIN/2016 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | EE | 371 | EE | 371 |
| | | | | LAST UPDT: 8/22/16 | | APPROVED: 9/16/14 | | | | | | | | | | | |
| | | | | FEE TYPE:1 | | \$50.00 | | BUDGET:069330 | | REV | | OBJ | | CD:943081 | | | |
| CSE 373 | DATA STRUC/ALGORITHM Data Structures and Algorithms | AUT/2016 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/13/16 | | APPROVED: 6/22/89 | | | | | | | | | | | |
| CSE 374 | PROG CONCEPTS TOOLS Intermediate Programming Concepts and Tools | AUT/2014 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 9/19/14 | | APPROVED: 3/17/09 | | | | | | | | | | | |
| | | | | COMMENT:14-16 PREQ CHG | | | | | | | | | | | | | |
| CSE 378 | MC ORG & ASSEM LANG MACHINE ORGANIZATION AND ASSEMBLY LANGUAGE | WIN/2007 - AUT/9999 | 4.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/07/14 | | APPROVED: 6/22/89 | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREREQ CHG | | FEE TYPE:1 | | \$50.00 | | BUDGET:069645 | | REV | | OBJ | | CD:943081 | |
| CSE 390 | SPECIAL TOPICS CSE Special Topics in Computer Science and Engineering | SPR/2010 - AUT/9999 | 1.0-05.0 | 10.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/17/10 | | APPROVED: 2/16/10 | | | | | | | | | | | |
| CSE 391 | SOFTWARE TOOLS System and Software Tools | SPR/2016 - AUT/9999 | 1.0 | . | CR/NC | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/23/16 | | APPROVED: 2/23/16 | | | | | | | | | | | |

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COLLEGE : J - Engineering
 DEPARTMENT: COMPUTER SCI & ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| CSE 475 | EMBEDDED CAPSTONE Embedded Systems Capstone | WIN/2016 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | E E | 475 E E | 475 . | |
| | | | | LAST UPDT: 6/05/15 APPROVED: 6/01/84 | | | | | | | | | | | | | |
| | | | | FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | |
| CSE 476 | EMB SYS DES EMBEDDED SYSTEM DESIGN | AUT/2000 - AUT/9999 | 5.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 2/07/14 APPROVED:12/01/99 | | | | | | | | | | | | | |
| CSE 481 | CAP SOFT DESIGN Capstone Software Design | WIN/2017 - AUT/9999 | 5.0 | 15.0 | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT:11/29/16 APPROVED:12/01/99 | | | | | | | | | | | | | |
| CSE 484 | COMPUTER SECURITY Computer Security | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 9/19/14 APPROVED: 6/20/07 | | | | | | | | | | | | | |
| | | | | COMMENT:14-16 PREQ CHG | | | | | | | | | | | | | |
| CSE 486 | INTRO SYNTH BIO Introduction to Synthetic Biology | AUT/2014 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | E E | 423 BIOEN 423 | . | |
| | | | | LAST UPDT: 9/19/14 APPROVED:11/17/09 | | | | | | | | | | | | | |
| | | | | COMMENT:14-16 PREQ CHG | | | | | | | | | | | | | |
| CSE 487 | ADV SYNTHETIC BIO Advanced Systems and Synthetic Biology | AUT/2011 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | BIOEN 424 E E | 424 . | | |
| | | | | LAST UPDT: 3/21/16 APPROVED:11/17/09 | | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREQ CHG, CHG DESC | | | | | | | | | | | | | |
| CSE 488 | LAB SYNTH BIO Laboratory Methods in Synthetic Biology | AUT/2009 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | E E | 425 BIOEN 425 | . | |
| | | | | LAST UPDT: 1/27/10 APPROVED:11/17/09 | | | | | | | | | | | | | |
| | | | | COMMENT:14-16 PREQ CHG | | | | | | | | | | | | | |
| CSE 490 | SPECIAL TOPICS CSE Special Topics in Computer Science and Engineering | WIN/2000 - AUT/9999 | 1.0-05.0 | 15.0 | . | . | . | Y | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 7/23/15 APPROVED: 2/28/94 | | | | | | | | | | | | | |
| | | | | FEE TYPE:1 \$50.00 BUDGET:069645 REV OBJ CD:943081 | | | | | | | | | | | | | |
| CSE 491 | DATA SCI & SOC SMNR Data Science and Society Seminar | SPR/2016 - AUT/9999 | 1.0 | . | CR/NC | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 2/23/16 APPROVED: 2/23/16 | | | | | | | | | | | | | |
| CSE 495 | PROJECT PRACTICUM Project Practicum | WIN/2014 - AUT/9999 | 1.0-05.0 | 5.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT:11/20/13 APPROVED:11/19/13 | | | | | | | | | | | | | |

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COLLEGE : J - Engineering
 DEPARTMENT: COMPUTER SCI & ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE | QUARTERS | CREDITS | OVER D | | D | S H F | | | V | E E W | | | RESPONS | JOINT | O | | | | | |
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| CSE M 544 | DATABASE SYSTEMS Database Systems | AUT/2014 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:14-16 PREQ CHG | | | | | | | | | | | | | | | | | | | | | |
| CSE M 552 | DISTRIBUTED SYSTEMS Introduction to Distributed Systems | AUT/2014 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:14-16 PREQ CHG | | | | | | | | | | | | | | | | | | | | | |
| CSE M 584 | COMPUTER SECURITY Computer Security | AUT/2014 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:14-16 PREQ CHG | | | | | | | | | | | | | | | | | | | | | |

LAST UPDT: 9/19/14 APPROVED: 6/17/08

LAST UPDT: 9/19/14 APPROVED: 8/21/12

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COLLEGE : J - Engineering
 DEPARTMENT: COMPUTER SCI & ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE | QUARTERS | CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS | JOINT | O |
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| CSE P 564 | COMPUTER SECURITY Computer Security and Privacy | AUT/2012 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | Y |
| | | | | | LAST UPDT:11/21/12 APPROVED:11/20/12 | | | | | | | | | | | | | |
| CSE P 567 | DIGITAL SYSTEMS Design and Implementation of Digital Systems | AUT/2014 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT: 9/19/14 APPROVED: 1/23/97 | | | | | | | | | | | | | |
| | | | | | COMMENT:14-16 PREQ CHG | | | | | | | | | | | | | |
| CSE P 573 | APPS ARTIF INTEL Applications of Artificial Intelligence | AUT/2014 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT: 9/19/14 APPROVED: 1/23/97 | | | | | | | | | | | | | |
| | | | | | COMMENT:14-16 PREQ CHG | | | | | | | | | | | | | |
| CSE P 576 | COMPUTER VISION Computer Vision | AUT/2003 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT:10/16/06 APPROVED: 1/30/03 | | | | | | | | | | | | | |
| | | | | | COMMENT:CHANGE TITLES | | | | | | | | | | | | | |
| CSE P 590 | SP TPC COMPTR SCI Special Topics in Computer Science | SPR/2003 - | AUT/9999 | 1.0-04.0 | 20.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT: 2/06/03 APPROVED: 1/30/03 | | | | | | | | | | | | | |
| CSE P 595 | SW ENTREPRENEURSHIP Software Entrepreneurship | SPR/2003 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT: 2/27/03 APPROVED: 2/26/03 | | | | | | | | | | | | | |
| CSE P 596 | SOFTWARE BUSINESS Business Basics Computer Science Professionals | SPR/2003 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT: 2/06/03 APPROVED: 1/30/03 | | | | | | | | | | | | | |
| CSE P 600 | INDPNT STDY/RES Independent Study or Research | SPR/2003 - | AUT/9999 | 1.0-04.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT: 4/19/10 APPROVED: 1/30/03 | | | | | | | | | | | | | |

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COLLEGE : J - Engineering
 DEPARTMENT: ELECTRICAL ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| E E 135 | DIGITAL MULTIMEDIA The Digital World of Multimedia | WIN/2009 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | Y | . | . | . | . | . | . |
| | | | | LAST UPDT:11/19/08 APPROVED:11/18/08 | | | | | | | | | | | | | |
| E E 205 | INTRO SIGNAL COND Introduction to Signal Conditioning | SPR/2010 - AUT/9999 | 4.0 | . | . | . | . | Y | . | . | . | . | . | Y | . | . | . |
| | | | | LAST UPDT: 8/22/16 APPROVED:11/17/09 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | |
| E E 215 | INTRO TO E E Fundamentals of Electrical Engineering | SPR/2016 - AUT/9999 | 4.0 | . | . | . | . | Y | . | . | Y | . | . | . | . | . | . |
| | | | | LAST UPDT:11/24/15 APPROVED: 3/15/99 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | |
| E E 233 | CIRCUIT THEORY Circuit Theory | AUT/1992 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 7/23/15 APPROVED: 2/03/92 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | |
| E E 235 | CT LINEAR SYSTEMS Continuous Time Linear Systems | SPR/2016 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/24/15 APPROVED: 3/31/92 FEE TYPE:1 \$35.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | |
| E E 271 | DIGITAL CIR & SYSTE Digital Circuits and Systems | SPR/2016 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/24/15 APPROVED:12/06/91 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | |
| E E 294 | INNOV READINESS Innovation Readiness: Cultivating an Innovation Mindset | SPR/2016 - SPR/2018 | 5.0 | . | . | . | . | . | . | . | Y | Y | . | . | . | . | . |
| | | | | LAST UPDT: 4/29/16 APPROVED: 4/22/16 | | | | | | | | | | | | | |
| E E 299 | INTRO TPCS E E Introductory Topics in Electrical Engineering | WIN/2014 - AUT/9999 | 1.0-05.0 | 10.0 | . | . | . | . | . | . | Y | . | . | . | . | . | . |
| | | | | LAST UPDT:10/16/13 COMMENT:CHG TITLES, MAX CREDITS | | | | | | | | | | | | | |
| E E 331 | DEVICES/CIRCUITS I Devices and Circuits I | AUT/1996 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 7/23/15 APPROVED:12/06/91 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 COMMENT:CHANGE DESCRIPTION | | | | | | | | | | | | | |

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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| E E 401 | ENGR DSGN LRG TEAMS Engineering Design in Large Teams | AUT/2004 - WIN/2017 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT: CONV OF TEMP COURSE | | | | | | | | | | | | | | | | |
| E E 402 | ENGR DSGN: ROBOT II Engineering Design in Large Teams: Robotics II | WIN/2005 - WIN/2017 | 5.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT: CONV OF TEMP COURSE | | | | | | | | | | | | | | | | |
| E E 406 | ENGR DES FOR K-12 Engineering Design for K-12 Outreach | AUT/2006 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | | | | | | | | | | | | | |
| E E 415 | COMP AID SYS DESIGN Computer-Aided System Analysis and Design | WIN/1988 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT: CHG TITLES | | | | | | | | | | | | | | | | |
| E E 416 | RANDOM SIGNALS Random Signals for Communications and Signal Processing | AUT/2006 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT: CHG TITLES | | | | | | | | | | | | | | | | |
| E E 417 | MOD WIRELESS COMMS Modern Wireless Communications | WIN/2007 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT: CHG PREREQ, TITLES, DESC | | | | | | | | | | | | | | | | |
| E E 418 | NETWK SECR & CRYPTO Network Security and Cryptography | AUT/2004 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT: CHANGE PREREQ | | | | | | | | | | | | | | | | |
| E E 420 | DESIGN IN COMM Design in Communications | WIN/1998 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | | | | | | | | | | | | | |
| E E 423 | INTRO SYNTH BIO Introduction to Synthetic Biology | AUT/2014 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | E E 423 | BIOEN 423 | . | . |
| | COMMENT: 14-16 PREQ CHG | | | | | | | | | | | | | | CSE 486 | | |

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COLLEGE : J - Engineering
 DEPARTMENT: ELECTRICAL ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T | |
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| | | | | -ALL | U | | GRD | E | U | N | E | P | & N | C | | | | M |
| E E | 457 ELEC ENERGY DISTR Electric Energy Distribution Systems | WIN/1981 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT:10/16/06 | | APPROVED:12/18/80 | | | | | | | | | | | | |
| E E | 461 INTRO COMP NETWORKS Introduction to Computer-Communication Networks | AUT/2008 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 3/18/08 | | APPROVED: 3/28/91 | | | | | | | | | | | | |
| | | | | COMMENT:CHG DSCRPT,JT STATUS,DESCRIPT | | | | | | | | | | | | | | |
| E E | 462 EM I: MWAVE ENGR Electromagnetics I: Microwave Engineering | WIN/2016 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 8/19/15 | | APPROVED: 1/20/93 | | | | | | | | | | | | |
| E E | 463 MICROWAVE ELEC DESN Microwave Electronic Design | WIN/2016 - WIN/2017 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT:11/30/16 | | | | | | | | | | | | | | |
| E E | 463 MICROWAVE ELEC DESN Microwave Electronic Design | SPR/2017 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT:11/30/16 | | | | | | | | | | | | | | |
| E E | 464 ANTENNAS Antennas: Analysis and Design | WIN/2016 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 8/19/15 | | APPROVED: 1/29/70 | | | | | | | | | | | | |
| E E | 465 FIBER OPT DEV & APP Fiber Optics, Devices, and Applications | WIN/2013 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 5/31/12 | | APPROVED: 4/05/88 | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | | |
| E E | 469 COMPUTER ARCH I Computer Architecture I | WIN/2016 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | . | E E | 469 CSE | 469 | . |
| | | | | LAST UPDT: 6/05/15 | | APPROVED: 6/23/83 | | | | | | | | | | | | |
| | | | | FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | | |
| E E | 470 COMPUTER ARCH II Computer Architecture II | SPR/2016 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | CSE | 470 CSE | 470 | . |
| | | | | LAST UPDT: 2/10/16 | | APPROVED: 5/29/92 | | | | | | | | | | | | |
| E E | 473 LINEAR IC DESIGN Linear Integrated Circuits | AUT/2007 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 7/23/15 | | APPROVED: 5/30/22 | | | | | | | | | | | | |
| | | | | COMMENT:CHG CREDITS FEE TYPE:1 \$35.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | | |

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COLLEGE : J - Engineering
 DEPARTMENT: ELECTRICAL ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | | U | N | E | P | & N | C | M | S | | | |
| E E 474 | INTRO EMBEDDED SYS Introduction to Embedded Systems | WIN/2016 - AUT/9999 | 4.0 | . | . | . | . | Y | . | . | . | . | . | CSE 474 | CSE 474 | . | |
| | | | | LAST UPDT: 6/05/15 APPROVED:12/01/99 | | | | | | | | | | | | | |
| | | | | FEE TYPE:1 \$50.00 BUDGET:069645 REV OBJ CD:943081 | | | | | | | | | | | | | |
| E E 475 | EMBEDDED CAPSTONE Embedded Systems Capstone | WIN/2016 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | E E 475 | CSE 475 | . | |
| | | | | LAST UPDT: 6/05/15 APPROVED: 6/01/84 | | | | | | | | | | | | | |
| | | | | FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | |
| E E 476 | DIG INT CIRCUIT DES Digital Integrated Circuit Design | WIN/2015 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | | | . | |
| | | | | LAST UPDT: 9/29/14 | | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | |
| | | | | FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | |
| E E 477 | VLSI II VLSI II | WIN/2015 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | | | . | |
| | | | | LAST UPDT: 9/29/14 APPROVED: 2/23/96 | | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | |
| | | | | FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | |
| E E 482 | SEMICONDCTR DEVICES Semiconductor Devices | WIN/2013 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | | | . | |
| | | | | LAST UPDT: 5/31/12 APPROVED: 5/24/93 | | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | |
| E E 483 | NANOTECH DESIGN Nanotechnology Design | WIN/2017 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | | | . | |
| | | | | LAST UPDT:12/16/16 APPROVED:12/13/16 | | | | | | | | | | | | | |
| E E 484 | SENSRS/SENSR SYSTMS Sensors and Sensor Systems | SPR/2012 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | | | . | |
| | | | | LAST UPDT: 1/23/12 APPROVED: 2/25/00 | | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | |
| E E 485 | INTRO TO PHOTONICS Introduction to Photonics | WIN/2007 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | | | . | |
| | | | | LAST UPDT: 1/16/13 APPROVED: 3/31/98 | | | | | | | | | | | | | |
| | | | | COMMENT:CHG PREREQ, DESC | | | | | | | | | | | | | |
| E E 486 | IC TECHNOLOGY Fundamentals of Integrated Circuit Technology | SPR/2016 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | MSE 486 | MSE 486 | . | |
| | | | | LAST UPDT: 3/16/16 APPROVED: 1/03/01 | | | | | | | | | | | | | |

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COLLEGE : J - Engineering
 DEPARTMENT: ELECTRICAL ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL | U | | GRD | E | U | N | E | P | & | N | | | |
| E E | 488 PHOTONICS CAPSTONE Photonics Design Capstone | SPR/2015 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/04/14 | | APPROVED: 6/03/14 | | | | | | | | | | | |
| E E | 490 READINGS & RESEARCH Reading and Research | SUM/2008 - AUT/9999 | 1.0-05.0 | 25.0 | . | CR/NC | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/05/09 | | APPROVED: 6/17/08 | | | | | | | | | | | |
| E E | 491 UNDERGRAD SEMINAR Undergraduate Seminar | WIN/2009 - AUT/9999 | 1.0 | 2.0 | . | CR/NC | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:11/19/08 | | APPROVED:11/18/08 | | | | | | | | | | | |
| E E | 492 LEADERSHIP SEMINAR Electrical Leadership Seminar | WIN/2017 - AUT/9999 | 1.0 | . | . | CR/NC | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/22/16 | | APPROVED:12/13/16 | | | | | | | | | | | |
| E E | 497 ENTREP CAPSTONE 1 Engineering Entrepreneurial Capstone I | WIN/2016 - WIN/2018 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/18/15 | | APPROVED:12/15/15 | | DROPPED:12/15/15 | | | | | | | | | |
| E E | 498 ENTREP CAPSTONE 2 Engineering Entrepreneurial Capstone II | SPR/2016 - SPR/2018 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/20/15 | | APPROVED:12/15/15 | | DROPPED:12/15/15 | | | | | | | | | |
| E E | 499 UG RSCH-SP PROJECT Undergraduate Research and Special Projects | WIN/2017 - AUT/9999 | 1.0-05.0 | 10.0 | Y | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/13/16 | | | | | | | | | | | | | |
| E E | 500 GRADUATE SEMINAR Graduate Seminar | AUT/2008 - AUT/9999 | 1.0 | 9.0 | Y | CR/NC | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 4/16/08 | | APPROVED: 1/29/87 | | | | | | | | | | | |
| | | | | COMMENT:CHG MAX CREDITS | | | | | | | | | | | | | |
| E E | 501 ACADEMIC WRITING Academic Writing | SPR/2016 - SPR/2018 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/20/15 | | APPROVED:12/15/15 | | DROPPED:12/15/15 | | | | | | | | | |
| E E | 502 INTRO TO MEMS Introduction to Microelectro Mechanical Systems | AUT/2001 - WIN/2017 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | E E | 502 M E | 504 . |
| | | | | LAST UPDT:12/16/16 | | APPROVED: 9/20/99 | | MSE | | 504 | | | | | | | |
| | | | | COMMENT:CHANGE JOINT STATUS | | | | | | | | | | | | | |

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COLLEGE : J - Engineering
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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL | U | | GRD | E | U | N | E | P | & | N | | | |
| E E 503 | MODELING OF MEMS Modeling of MEMS | WIN/2007 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/13/06 | | APPROVED:12/13/06 | | | | | | | | | | | |
| E E 504 | INTRO TO MEMS Introduction to Microelectro Mechanical Systems | SPR/2017 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | E E 504 M E | 504 | . | |
| | | | | LAST UPDT:12/16/16 | | APPROVED: 9/20/99 | | | | | | | | | | | |
| E E 505 | PROB & RAND PROCESS Probability and Random Processes | SUM/1999 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | | | . | |
| | | | | LAST UPDT:10/17/06 | | APPROVED: 9/25/75 | | | | | | | | | | | |
| | | | | COMMENT:CHANGE TITLE & PREREQS | | | | | | | | | | | | | |
| E E 506 | FUND OF WIRE COMM Fundamentals of Wireless Communication | SPR/2009 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | | | . | |
| | | | | LAST UPDT:12/17/08 | | | | | | | | | | | | | |
| | | | | COMMENT:CHG TITLES, CREDITS, DESC | | | | | | | | | | | | | |
| E E 507 | COMM THRY II Communication Theory II | SPR/1983 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | | | . | |
| | | | | LAST UPDT: 0/00/00 | | | | | | | | | | | | | |
| E E 508 | STOC PROC IN ENGR Stochastic Processes in Engineering | WIN/2009 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | E E 508 IND E | 508 | . | |
| | | | | LAST UPDT: 3/04/16 | | APPROVED: 7/16/70 | | | | | | | | | | | |
| | | | | COMMENT:CHG TTL,DSC,PREQ, ADD JT STAT | | | | | | | | | | | | | |
| E E 510 | MATH FOUND SYST THR Mathematical Foundations of Systems Theory | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | E E 510 A A | 510 | . | |
| | | | | LAST UPDT: 7/31/14 | | APPROVED:10/24/91 | | | | | | | | | | | |
| | | | | COMMENT:14-16 PREQ CHG | | | | | | | | | | | | | |
| E E 511 | STAT LEARNING Introduction to Statistical Learning | WIN/2005 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | | | . | |
| | | | | LAST UPDT: 9/28/04 | | APPROVED: 8/20/04 | | | | | | | | | | | |
| E E 512 | GRAPHICAL MODELS Graphical Models in Pattern Recognition | SPR/2006 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | | | . | |
| | | | | LAST UPDT: 9/28/04 | | APPROVED: 8/20/04 | | | | | | | | | | | |
| E E 514 | INFO THEORY I Information Theory I | WIN/2005 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | | | . | |
| | | | | LAST UPDT: 8/24/04 | | APPROVED: 8/20/04 | | | | | | | | | | | |

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COLLEGE : J - Engineering
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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T | | | |
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| E E | 515 | INFO THEORY II Information Theory II | SPR/2005 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| | | | | LAST UPDT: 8/24/04 | | APPROVED: 8/20/04 | | | | | | | | | | | | | | |
| E E | 516 | COMP SPEECH PROC Computer Speech Processing | WIN/2001 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| | | | | LAST UPDT: 6/29/00 | | APPROVED: 6/28/00 | | | | | | | | | | | | | | |
| E E | 517 | CON-SPACE PROC Continuous-Space Language Processing | WIN/2016 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| | | | | LAST UPDT:11/19/15 | | APPROVED: 6/28/00 | | | | | | | | | | | | | | |
| E E | 518 | DIGITAL SIGNAL PROC Digital Signal Processing | AUT/2016 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| | | | | LAST UPDT:10/21/15 | | APPROVED: 3/18/71 | | | | | | | | | | | | | | |
| E E | 519 | STOCHASTIC ANALYSIS Stochastic Analysis of Data From Physical Systems | SPR/1982 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| | | | | LAST UPDT:10/17/06 | | APPROVED: 6/03/71 | | | | | | | | | | | | | | |
| | | | | COMMENT:CHG TITLES, CRDT, DESC | | | | | | | | | | | | | | | | |
| E E | 520 | SPCTR ANLYS TME SER Spectral Analysis of Time Series | AUT/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | STAT | 520 | STAT | 520 | . |
| | | | | LAST UPDT: 3/15/16 | | APPROVED: 6/01/81 | | | | | | | | | | | | | | |
| | | | | COMMENT:14-16 PREQ CHG | | | | | | | | | | | | | | | | |
| E E | 521 | QUANTUM MECH ENGRS Quantum Mechanics for Engineers | AUT/2011 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 6/10/11 | | APPROVED: 5/17/11 | | | | | | | | | | | | | | |
| E E | 523 | INTRO SYNTH BIO Introduction to Synthetic Biology | AUT/2016 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | E E | 523 | BIOEN | 523 | . | |
| | | | | LAST UPDT: 9/28/16 | | APPROVED:11/17/09 | | | | | | | | | | | | | | |
| | | | | CSE 586 MOLENG 525 | | | | | | | | | | | | | | | | |
| E E | 524 | ADV SYNTHETIC BIO Advanced Systems and Synthetic Biology | AUT/2011 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | BIOEN | 524 | CSE | 587 | . | |
| | | | | LAST UPDT: 3/21/16 | | APPROVED:11/17/09 | | | | | | | | | | | | | | |
| | | | | COMMENT:CHG DESC | | | | | | | | | | | | | | | | |
| E E | 525 | VLSI II VLSI II | WIN/2001 - AUT/9999 | 5.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 7/23/15 | | APPROVED: 8/23/00 | | | | | | | | | | | | | | |
| | | | | FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 | | | | | | | | | | | | | | | | |

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| CURRIC NUM | COURSE TITLE | EFFECTIVE | QUARTERS | CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS | JOINT | O |
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| | | | | | -ALL | U | | GRD | E | U | N | E | P | & | N | | | |
| E E | 599 SPECIAL PROJECTS Special Projects in Electrical Engineering | SPR/2017 - | AUT/9999 | 1.0-05.0 | 15.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT:12/16/16 | | | | | | | | | | | | | | | | | | |
| E E | 600 INDEPNONT STDY/RSCH Independent Study or Research | SUM/1969 - | AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 4/19/10 | | | | | | | | | | | | | | | | | | |
| E E | 700 MASTERS THESIS Master's Thesis | WIN/1968 - | AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 4/19/10 APPROVED: 1/01/70 | | | | | | | | | | | | | | | | | | |
| E E | 800 DOCTORAL DISSERTATN Doctoral Dissertation | AUT/1970 - | AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 4/19/10 APPROVED: 1/01/70 | | | | | | | | | | | | | | | | | | |

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COLLEGE : J - Engineering
DEPARTMENT: ENGINEERING

| CURRIC NUM | COURSE TITLE | EFFECTIVE | QUARTERS | CREDITS | OVER D | | D | S H F | | | V | E E W | | | RESPONS | JOINT | I | | | | | |
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| ENGR | 601 | INTERNSHIP Internship | AUT/2013 - AUT/9999 | 1.0-02.0 | 24.0 | . | . | 11 | . | . | Y | . | . | . | . | . | . | . | . | . | . | Y |

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COLLEGE : J - Engineering
 DEPARTMENT: HUMAN CTR DESIGN & ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D D S H F V L E W | | | | | | | | | | RESPONS COURSE | JOINT COURSES | O M I T | |
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| HCDE 419 | CONCEPTS IN HCI Concepts in Human-Computer Interaction | AUT/2015 - AUT/9999 | 5.0 | . | . | . | . | Y | . | Y | . | . | . | . | . | . | . |
| | COMMENT:EMAIL PREQ CHG | | | LAST UPDT: 3/16/15 APPROVED: 1/31/05 FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081 | | | | | | | | | | | | | |
| HCDE 421 | CURRENT PRACTICE TC Current Practices in Technical Communication | AUT/2010 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:CHG TITLES, DESC | | | LAST UPDT: 2/16/10 APPROVED: 9/21/04 | | | | | | | | | | | | | |
| HCDE 422 | STYLE IN TECH COMM Style in Technical Communication | AUT/2010 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:CHG TITLES, DESC | | | LAST UPDT: 2/16/10 APPROVED:12/15/05 | | | | | | | | | | | | | |
| HCDE 423 | TECH EDIT &DOC DEVL Introduction to Technical Editing | AUT/2010 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:CHG TITLES, DESC | | | LAST UPDT: 2/16/10 APPROVED: 9/21/04 | | | | | | | | | | | | | |
| HCDE 424 | AUTHOR & PROD TOOLS The Computer in Technical Communication | AUT/2010 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:CHG TITLES, DESC | | | LAST UPDT: 2/16/10 APPROVED: 9/21/04 | | | | | | | | | | | | | |
| HCDE 426 | SOFTWARE USER ASST Software User Assistance | AUT/2010 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:CHG TITLES, DESC | | | LAST UPDT: 2/16/10 APPROVED: 9/21/04 | | | | | | | | | | | | | |
| HCDE 427 | VISUAL DESIGN IN TC Production Editing | AUT/2010 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:CHG TITLES, DESC | | | LAST UPDT: 2/16/10 APPROVED: 9/21/04 | | | | | | | | | | | | | |
| HCDE 435 | INTRO CONTENT MGMT Introduction to Content Management | AUT/2009 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:WAS T C 435 1-09, CHG DESC | | | LAST UPDT: 6/15/09 APPROVED:12/21/01 | | | | | | | | | | | | | |
| HCDE 437 | WEB DESIGN AND PUB Web Design and Web Publishing | AUT/2015 - AUT/9999 | 5.0 | . | . | . | . | . | . | Y | Y | . | . | . | . | . | . |
| | COMMENT:EMAIL PREQ CHG | | | LAST UPDT: 3/16/15 APPROVED:12/31/96 | | | | | | | | | | | | | |

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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| HCDE 438 | WEB TECHNOLOGIES Web Technologies | AUT/2015 - AUT/9999 | 5.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | | | | |
| HCDE 439 | PHYSICAL COMPUTING Physical Computing | AUT/2015 - AUT/9999 | 5.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
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| HCDE 451 | UX PROTOTYPING User Experience Prototyping Techniques | WIN/2016 - AUT/9999 | 5.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | | | | | | | | | | | | | |
| HCDE 455 | USER INTERFACE DES User Interface Design | AUT/2009 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | IND E 455 | IND E 455 | . | . |
| | COMMENT:WAS T C 455 | | | | | | | | | | | | | | | | |
| HCDE 461 | TECH/BUSI JPN I Japanese for Technical and Business Professions I | AUT/2009 - AUT/9999 | 5.0 | . | . | . | . | . | Y | . | . | . | . | . | . | . | . |
| | COMMENT:WAS T C 461 | | | | | | | | | | | | | | | | |
| HCDE 462 | TECH/BUSI JPN II Japanese for Technical and Business Professions II | AUT/2009 - AUT/9999 | 5.0 | . | . | . | . | . | Y | . | . | . | . | . | . | . | . |
| | COMMENT:WAS T C 462 | | | | | | | | | | | | | | | | |
| HCDE 463 | TECH/BUSI JPN III Japanese for Technical and Business Professions III | AUT/2009 - AUT/9999 | 5.0 | . | . | . | . | . | Y | . | . | . | . | . | . | . | . |
| | COMMENT:WAS T C 463 | | | | | | | | | | | | | | | | |
| HCDE 492 | CAPSTONE PLANNING Capstone Planning | WIN/2017 - AUT/9999 | 2.0 | . | CR/NC | . | . | . | . | . | . | . | . | . | . | . | . |
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| HCDE 493 | SENIOR CAPSTONE Senior Capstone | WIN/2017 - AUT/9999 | 5.0 | . | . | . | . | . | Y | . | . | . | . | . | . | . | . |
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LAST UPDT: 5/24/16 APPROVED: 6/30/95
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COLLEGE : J - Engineering
DEPARTMENT: INDUSTRIAL & SYSTEMS ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T | |
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| | | | | -ALL U | GRD | | U N E | P & N | C M S N | A S W T P R G | P | S | D | HYPH | | | | M |
| IND E 101 | INTRODUCTION TO IE Introduction to Industrial Engineering | SPR/2002 - AUT/9999 | 1.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 1/29/02 | | APPROVED: 1/28/02 | | | | | | | | | | | | |
| IND E 250 | ENGR ECON Fundamentals of Engineering Economy | AUT/1999 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:10/18/06 | | APPROVED: 3/15/99 | | | | | | | | | | | | |
| | | | | COMMENT:WAS ENGR 250 | | | | | | | | | | | | | | |
| IND E 295 | PRODUCT DISSECTION PRODUCT DISSECTION | SPR/1996 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/11/08 | | APPROVED:12/27/95 | | | | | | | | | | | | |
| IND E 315 | PROB & STAT FOR ENG Probability and Statistics for Engineers | SPR/2010 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 3/04/16 | | APPROVED: 3/15/99 | | | | | | | | | | | | |
| | | | | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | | |
| IND E 316 | DES EXPR REGR ANLYS Design of Experiments and Regression Analysis | WIN/2008 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 3/04/16 | | APPROVED: 1/29/87 | | | | | | | | | | | | |
| | | | | COMMENT:ADD MISSING PREQ | | | | | | | | | | | | | | |
| IND E 321 | STAT QUAL CONTROL Statistical Quality Control | WIN/2005 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 3/04/16 | | APPROVED:12/18/86 | | | | | | | | | | | | |
| | | | | COMMENT:WAS IND E 421;CHG CREDITS | | | | | | | | | | | | | | |
| IND E 337 | INTRO MANU SYSTEMS Introduction to Manufacturing Systems | WIN/2005 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 9/28/09 | | APPROVED:12/18/86 | | | | | | | | | | | | |
| | | | | COMMENT:WAS IND E 237; CHG CREDITS | | | | | | | | | | | | | | |
| IND E 351 | HUMAN FACTORS Human Factors in Design | WIN/2005 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 8/26/04 | | APPROVED:12/18/86 | | | | | | | | | | | | |
| | | | | COMMENT:CHG CREDITS, CONTACT HRS | | | | | | | | | | | | | | |
| IND E 410 | LINEAR & NETWORK PR Linear and Network Programming | SPR/2007 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 9/28/09 | | APPROVED:12/18/86 | | | | | | | | | | | | |
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COLLEGE : J - Engineering
 DEPARTMENT: INDUSTRIAL & SYSTEMS ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | | U | P | N | E | M | R | E | P | | | |
| IND E 518 | SEMINAR IN MFG MGMT Seminars on Advances in Manufacturing and Management | AUT/1999 - AUT/9999 | 1.0 | . | . | . | . | . | . | . | . | . | . | . | M E 518 | M E 518 | . |
| | | | | LAST UPDT:10/18/06 | | APPROVED: 2/03/99 | | | | | | | | | | | |
| IND E 519 | HEALTHCARE MODELING Healthcare Modeling and Decision Making | WIN/2017 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | | | . |
| | | | | LAST UPDT:11/15/16 | | APPROVED: 9/20/16 | | | | | | | | | | | |
| IND E 521 | QUAL CONTROL IN MFG Quality Control in Manufacturing | AUT/1999 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | | | . |
| | | | | LAST UPDT: 3/04/16 | | APPROVED: 6/28/93 | | | | | | | | | | | |
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| IND E 524 | ROB DES QLTY ENGR Robust Design and Quality Engineering | AUT/1999 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | | | . |
| | | | | LAST UPDT: 4/28/99 | | APPROVED: 1/24/96 | | | | | | | | | | | |
| | | | | COMMENT:CONV OF TEMP TO PERM | | | | | | | | | | | | | |
| IND E 526 | RELIABILITY Reliability in Product Design and Testing | AUT/1999 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | | | . |
| | | | | LAST UPDT: 3/04/16 | | APPROVED: 6/28/93 | | | | | | | | | | | |
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| IND E 535 | ENGINRNG SIMULATION Engineering Simulation | WIN/2000 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | | | . |
| | | | | LAST UPDT: 3/04/16 | | APPROVED: 6/28/93 | | | | | | | | | | | |
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| IND E 537 | INTRO MANUF SYSTEMS Introduction to Manufacturing Systems | AUT/2003 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | IND E 537 | ENV H 537 | . |
| | | | | LAST UPDT: 3/04/05 | | APPROVED: 3/31/03 | | | | | | | | | | | |
| IND E 541 | HUMAN FACTORS ENGR HUMAN FACTORS ENGINEERING | AUT/1999 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | | | . |
| | | | | LAST UPDT: 4/28/99 | | APPROVED: 6/28/93 | | | | | | | | | | | |
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| IND E 543 | VIRTUAL INTRFC TECH Virtual Interface Technology | AUT/2016 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | | | . |
| | | | | LAST UPDT: 3/22/16 | | APPROVED: 6/28/93 | | | | | | | | | | | |
| IND E 544 | VIRTUAL WORLD DEVL P Virtual World Development | AUT/1999 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | | | . |
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COLLEGE : J - Engineering
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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T | | |
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| IND E 585 | SYSTEMS ARCH & MBSE Systems Architecture and Model-Based Systems Engineering | SPR/2019 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| | | | | LAST UPDT:12/20/15 | | APPROVED:12/15/15 | | | | | | | | | | | | | |
| IND E 586 | ENGR RISK MGMT Systems Engineering Risk: Assessment and Management | SPR/2016 - SUM/2019 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| | | | | LAST UPDT: 4/29/16 | | | | | | | | | | | | | | | |
| IND E 586 | ENGR RISK MGMT Systems Engineering Risk: Assessment and Management | AUT/2019 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| | | | | LAST UPDT: 4/29/16 | | | | | | | | | | | | | | | |
| IND E 591 | SEMINAR Seminar | AUT/2002 - AUT/9999 | 1.0 | . | CR/NC | . | 13 | . | . | . | . | . | . | . | . | . | . | | |
| | | | | LAST UPDT: 5/09/02 | | APPROVED: 6/28/93 | | | | | | | | | | | | | |
| | | | | COMMENT:CHG CREDITS, DESCRIPT. | | | | | | | | | | | | | | | |
| IND E 592 | SEMINAR Seminar | AUT/2002 - AUT/9999 | 1.0 | . | CR/NC | . | 23 | . | . | . | . | . | . | . | . | . | . | | |
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| IND E 593 | SEMINAR Seminar | AUT/2002 - AUT/9999 | 1.0 | . | CR/NC | . | 33 | . | . | . | . | . | . | . | . | . | . | | |
| | | | | LAST UPDT:12/27/01 | | APPROVED: 6/28/93 | | | | | | | | | | | | | |
| | | | | COMMENT:CHG DESCRIPTION | | | | | | | | | | | | | | | |
| IND E 594 | MGMT OF ENGR MANAGEMENT OF ENGINEERING DESIGN | AUT/1999 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| | | | | LAST UPDT: 4/28/99 | | APPROVED: 2/23/96 | | | | | | | | | | | | | |
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| IND E 595 | GLBL INT SYS ENGR Global Integrated Systems Engineering | AUT/2016 - AUT/9999 | 4.0-05.0 | 9.0 | . | . | 11 | . | . | . | . | . | . | . | . | IND E 595 | A A | 595 | . |
| | | | | LAST UPDT: 6/13/16 | | APPROVED: 6/17/08 | | | | | | | | | | | | | |
| IND E 596 | GISE PROJECT Global Integrated Systems Engineering Project | SPR/2011 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | IND E 596 | A A | 596 | . |
| | | | | LAST UPDT: 8/27/10 | | APPROVED: 8/24/10 | | | | | | | | | | | | | |
| IND E 599 | SPECIAL TOPICS IE Special Topics in Industrial Engineering | AUT/1999 - AUT/9999 | 1.0-05.0 | 9.0 | Y | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
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| CURRIC NUM | COURSE TITLE | EFFECTIVE | QUARTERS | CREDITS | OVER D | | D | S H F | V | L I E C Q T | | | | RESPONS | JOINT | O | |
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| IND E 600 | INDEPNONT STDY/RSCH Independent Study or Research | SUM/1998 - | AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT: 4/19/10 APPROVED: 6/23/98 | | | | | | | | | | | | |
| IND E 700 | MASTERS THESIS Master's Thesis | SUM/1998 - | AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . |
| | | | | | LAST UPDT: 4/19/10 APPROVED: 6/23/98 | | | | | | | | | | | | |
| IND E 800 | DOCTORAL DISSERTATN Doctoral Dissertation | SUM/1998 - | AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . |
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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D D S H F | | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T | |
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| M E 354 | MECH OF MAT LAB Mechanics of Materials Laboratory | AUT/1999 - AUT/9999 | 5.0 | . | . | . | Y | . | . | . | . | . | . | . | . | |
| | COMMENT:CHANGE CREDITS, DESC, PREREQS | | | LAST UPDT: 8/14/12 APPROVED: 1/24/96 FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081 | | | | | | | | | | | | |
| M E 355 | INTRO MFG PROCESS Introduction to Manufacturing Processes | AUT/1999 - AUT/9999 | 4.0 | . | . | . | Y | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 8/14/12 APPROVED: 2/03/99 FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081 | | | | | | | | | | | | |
| M E 356 | MACHN DESGN ANLYS Machine Design Analysis | AUT/1996 - AUT/9999 | 4.0 | . | . | . | Y | . | . | . | . | . | . | . | . | |
| | COMMENT:WAS M E 353; CHG PREQ | | | LAST UPDT: 8/14/12 APPROVED: 1/24/96 FEE TYPE:1 \$5.00 BUDGET:069397 REV OBJ CD:943081 | | | | | | | | | | | | |
| M E 373 | INTRO TO SYST DYN Introduction to System Dynamics | AUT/1996 - AUT/9999 | 5.0 | . | . | . | . | . | . | . | . | . | . | . | . | |
| | COMMENT:CHANGE DESCRIPTION | | | LAST UPDT:10/20/06 APPROVED: 5/06/71 | | | | | | | | | | | | |
| M E 374 | SYS DYN ANLYS & DES Systems Dynamic Analysis and Design | AUT/2008 - AUT/9999 | 5.0 | . | . | . | . | . | . | . | . | . | . | . | . | |
| | COMMENT:CHG PREQ, CORRECTED 6/7/2007 | | | LAST UPDT: 6/07/07 APPROVED:11/20/75 | | | | | | | | | | | | |
| M E 395 | INTRO MECH DESIGN Introduction to Mechanical Design | SUM/2010 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | |
| | COMMENT:EMAIL PREREQ CHANGE | | | LAST UPDT: 3/12/10 APPROVED:12/01/85 | | | | | | | | | | | | |
| M E 401 | METL CAST THY & DES METAL CASTING THEORY AND DESIGN | SPR/1970 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 7/22/09 | | | | | | | | | | | | |
| M E 403 | MATERL-REMOVL PROCS MATERIAL-REMOVAL PROCESSES | SPR/2002 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | |
| | COMMENT:GENCAT REVIEW PREREQ CHANGE | | | LAST UPDT:12/17/01 | | | | | | | | | | | | |
| M E 404 | THEORY OF WELDING THEORY OF WELDING | WIN/1970 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | |
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 DEPARTMENT: MECHANICAL ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | | U N E | P | & N C M S N | A S W T P R G | | | | | | | |
| M E 426 | RENEWABLE ENERGY II Renewable Energy II | SPR/2016 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 7/23/15 APPROVED: 11/20/80 | | | | | | | | | | | | | | | | | |
| M E 428 | NOISE CONTROL NOISE CONTROL | WIN/1974 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 10/20/06 APPROVED: 4/12/73 | | | | | | | | | | | | | | | | | |
| M E 430 | ENERGY CONVERSION Advanced Energy Conversion Systems | SPR/1998 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 10/20/06 APPROVED: 6/28/73 | | | | | | | | | | | | | | | | | |
| COMMENT: CHANGE DESCRP, PREREQUISITES | | | | | | | | | | | | | | | | | |
| M E 431 | ADV FL MECH Advanced Fluid Mechanics | WIN/1987 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 10/20/06 APPROVED: 3/20/86 | | | | | | | | | | | | | | | | | |
| M E 432 | GAS DYNAMICS GAS DYNAMICS | AUT/1975 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 10/20/06 | | | | | | | | | | | | | | | | | |
| COMMENT: CHG TITLES | | | | | | | | | | | | | | | | | |
| M E 433 | TURBOMACHINERY Turbomachinery | SPR/1998 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 10/20/06 APPROVED: 10/12/72 | | | | | | | | | | | | | | | | | |
| COMMENT: CHANGE PREREQ, DESCRIP | | | | | | | | | | | | | | | | | |
| M E 434 | ADV MECH ENGR LAB ADVANCED MECHANICAL ENGINEERING LABORATORY | SPR/1980 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 10/20/06 | | | | | | | | | | | | | | | | | |
| COMMENT: CHG DESC | | | | | | | | | | | | | | | | | |
| M E 436 | FRICTION AND WEAR FRICTION AND WEAR OF MATERIALS | WIN/1997 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 1/31/96 | | | | | | | | | | | | | | | | | |
| COMMENT: CHANGE DESCRIPTION | | | | | | | | | | | | | | | | | |
| M E 440 | ADV MECH OF MATLS Advanced Mechanics of Materials and Solids | AUT/1999 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 2/23/99 APPROVED: 2/22/99 | | | | | | | | | | | | | | | | | |
| M E 442 | RENEWABLE ENERGY Renewable Energy | SPR/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | Y | . | . | M E 442 CHEM E442 | . |
| LAST UPDT: 3/19/14 APPROVED: 5/24/93 | | | | | | | | | | | | | | | | | |
| COMMENT: CHG PREQ - JT STATUS | | | | | | | | | | | | | | | | | |

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| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | | | S H F | | | | V L E E W | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | E | D | U N E | M R E | P & A | N S W | C M T | S C P | R G | | | | |
| M E | 473 INSTRUMENTATION Instrumentation | AUT/2000 - AUT/9999 | 4.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 8/14/12 | | | | FEE TYPE:1 \$25.00 BUDGET:069397 REV OBJ CD:943081 | | | | | | | | | | |
| M E | 474 SYST MOD AND SIMULA SYSTEMS MODELING AND SIMULATION | SPR/1980 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT:10/20/06 APPROVED: 4/12/73 | | | | COMMENT:CHG DESC | | | | | | | | | | |
| M E | 477 EMBEDDED COMPUTING Embedded Computing in Mechanical Systems | AUT/2008 - AUT/9999 | 4.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 8/14/12 APPROVED: 6/23/83 | | | | FEE TYPE:1 \$25.00 BUDGET:069397 REV OBJ CD:943081 | | | | | | | | | | |
| M E | 478 FINTE ELEMENT ANLYS Finite Element Analysis | AUT/2002 - AUT/9999 | 4.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 8/14/12 APPROVED:12/19/85 | | | | FEE TYPE:1 \$22.00 BUDGET:069397 REV OBJ CD:943081 | | | | | | | | | | |
| M E | 480 CAD TECHNOLOGY Introduction to Computer-Aided Technology | SPR/2010 - AUT/9999 | 4.0 | . | . | . | . | Y | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 8/14/12 APPROVED: 5/24/84 | | | | FEE TYPE:1 \$75.00 BUDGET:069397 REV OBJ CD:943081 | | | | | | | | | | |
| M E | 481 IC ENGINES Internal Combustion Engines | SPR/2014 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | LAST UPDT: 3/03/14 | | | | COMMENT:CHG TITLES, DESC, PREQ | | | | | | | | | | |
| M E | 485 ELECTRNC PACKAGING Introduction to Electronic Packaging and Materials | WIN/1997 - AUT/9999 | 3.0 | . | . | . | . | Y | . | . | . | . | . | . | M E | 485 MSE | 485 | . |
| | | | | LAST UPDT: 8/14/12 APPROVED: 4/29/96 | | | | FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081 | | | | | | | | | | |
| M E | 487 ELECT PKG LAB Laboratory in Electronic Packaging and Materials | WIN/2000 - AUT/9999 | 1.0 | . | . | . | . | Y | . | . | . | . | . | . | M E | 487 MSE | 487 | . |
| | | | | LAST UPDT: 8/14/12 APPROVED: 2/03/99 | | | | FEE TYPE:1 \$75.00 BUDGET:069397 REV OBJ CD:943081 | | | | | | | | | | |
| M E | 490 NAVAL ARCHITECTURE NAVAL ARCHITECTURE | WIN/1988 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/07/14 APPROVED:12/01/87 | | | | | | | | | | | | | | |

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| CURRIC | NUM | COURSE TITLE | EFFECTIVE | QUARTERS | CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS | JOINT | O |
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| M E | 519 | SEMINAR SEMINAR | AUT/1999 - | AUT/9999 | 0.0 | . | CR/NC | . | 12 | . | . | . | . | . | . | . | . | . | . |
| | | | | | | LAST UPDT:10/23/06 | | | | | | | | | | | | | |
| | | | | | | COMMENT:DROPPED 518 FROM HYPHEN SERIES | | | | | | | | | | | | | |
| M E | 520 | SEMINAR Seminar | AUT/1999 - | AUT/9999 | 1.0 | 6.0 | Y | CR/NC | . | 22 | . | . | . | . | . | . | . | . | . |
| | | | | | | LAST UPDT:10/23/06 | | | | | | | | | | | | | |
| | | | | | | COMMENT:DROPPED 518 FROM HYPHEN SERIES | | | | | | | | | | | | | |
| M E | 521 | THERMODYNAMICS Thermodynamics | AUT/1975 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | | LAST UPDT:10/23/06 | | | | | | | | | | | | | |
| | | | | | | COMMENT:CHG TITLES | | | | | | | | | | | | | |
| M E | 522 | THERMODYNAMICS Thermodynamics | SPR/1994 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | | LAST UPDT:10/23/06 | | | | | | | | | | | | | |
| | | | | | | COMMENT:CHANGE DESCRIPTION | | | | | | | | | | | | | |
| M E | 523 | ENERGY ENVIR SEMINAR Energy and Environment Seminar | AUT/2000 - | AUT/9999 | 1.0 | 20.0 | . | CR/NC | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | | LAST UPDT: 3/15/00 APPROVED: 2/28/94 | | | | | | | | | | | | | |
| | | | | | | COMMENT:CHG DESCRIPT, TITLES | | | | | | | | | | | | | |
| M E | 524 | COMBUSTION Combustion | SPR/1971 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | | LAST UPDT: 0/00/00 | | | | | | | | | | | | | |
| M E | 525 | APPLIED ACOUSTICS Applied Acoustics I | AUT/2008 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | | LAST UPDT: 2/15/08 | | | | | | | | | | | | | |
| | | | | | | COMMENT:CHG TITLES, DESC | | | | | | | | | | | | | |
| M E | 526 | SPEC TPCS ACOUSTICS Special Topics in Acoustics | AUT/2008 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | | LAST UPDT: 2/15/08 APPROVED: 6/04/70 | | | | | | | | | | | | | |
| | | | | | | COMMENT:CHG TITLES, DESC | | | | | | | | | | | | | |
| M E | 527 | MUSCULOSKEL BIOMECH Musculoskeletal Biomechanics | SPR/2014 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | BIOEN 520 |
| | | | | | | LAST UPDT: 3/19/14 APPROVED: 3/18/14 | | | | | | | | | | | | | BIOEN 520 |

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| M E | 538 | ADVANCED FLUIDS Advanced Fluid Mechanics | AUT/2015 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | | LAST UPDT: | | 7/23/15 | | APPROVED: | | 4/24/15 | | | | | | | |
| M E | 539 | RENEWABLE ENERGY I Renewable Energy I | AUT/2012 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | | | LAST UPDT: | | 3/21/12 | | APPROVED: | | 3/20/12 | | | | | | | |
| M E | 540 | RENEWABLE ENERGY II Renewable Energy II | SPR/2012 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | | | LAST UPDT: | | 2/29/12 | | APPROVED: | | 2/28/12 | | | | | | | |
| M E | 541 | FATIGUE MATLS Fatigue of Materials | SPR/1992 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | | | LAST UPDT: | | 10/23/06 | | COMMENT:CHG TITLES | | | | | | | | | |
| M E | 542 | TPCS ENGR MATERIALS TOPICS IN ENGINEERING MATERIALS | SPR/1972 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | | | LAST UPDT: | | 7/22/09 | | | | | | | | | | | |
| M E | 543 | FLUID TURBULENCE Fluid Turbulence | AUT/1994 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | | | LAST UPDT: | | 8/29/94 | | COMMENT:CHANGE DESCRIPTION, PREREQ | | | | | | | | | |
| M E | 544 | ADV FLUID TURB Advanced Turbulence Modeling Techniques | AUT/1994 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | | | LAST UPDT: | | 8/29/94 | | COMMENT:CHANGE DESCRIPTION, PREREQ. | | | | | | | | | |
| M E | 546 | MICRO HEAT TRANSFER Micro-Scale Heat Transfer | SPR/2012 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | | | | | | LAST UPDT: | | 11/29/12 | | APPROVED: | | 12/20/11 | | | | | | | |
| M E | 547 | LINEAR SYSTEMS Linear Systems Theory | AUT/2005 - | AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | E E | 547 E E | 547 | |
| | | | | | | LAST UPDT: | | 9/28/09 | | | | | | A A | | 547 | | | |
| | | | | | | COMMENT:WAS M E 575; CHG PREREQ;JOINT# | | | | | | | | | | | | | |
| M E | 548 | LIN MULTVAR CONTROL Linear Multivariable Control | AUT/2005 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | E E | 548 A A | 548 | |
| | | | | | | LAST UPDT: | | 3/21/16 | | | | | | E E | | 548 | | | |
| | | | | | | COMMENT: CHG PREREQ | | | | | | | | | | | | | |

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| M E 568 | ACT/SENSING MATR Active and Sensing Materials | AUT/2008 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | M E 568 MSE | 568 | . |
| | | | | LAST UPDT: 4/28/08 | | APPROVED: 4/15/08 | | | | | | | | | | | |
| M E 570 | MANIFOLDS AND GEOM Manifolds and Geometry for Systems and Control | AUT/2007 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | A A 570 A A | 570 | . |
| | | | | LAST UPDT: 4/05/07 | | APPROVED: 2/21/07 | | E E 570 | | | | | | | | | |
| M E 572 | CONCEPTUAL DESIGN Methodologies for Engineering Design: Conceptual Design | WIN/1997 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | | | . |
| | | | | LAST UPDT: 6/14/96 | | APPROVED: 4/29/96 | | | | | | | | | | | |
| M E 573 | PROB MECH DESIGN METH FOR ENGR DESIGN:PROBABILISTIC MECHANICAL DESG | AUT/1996 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | | | . |
| | | | | LAST UPDT: 5/24/96 | | APPROVED: 4/29/96 | | | | | | | | | | | |
| M E 578 | CONVEX OPTIMIZATION Convex Optimization | WIN/2016 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | A A 578 E E | 578 | . |
| | | | | LAST UPDT: 2/26/16 | | APPROVED: 3/29/05 | | A A 578 | | | | | | | | | |
| M E 579 | FLUID POWER SYSTEMS FLUID POWER SYSTEMS | SPR/1980 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | | | . |
| | | | | LAST UPDT:10/23/06 | | | | | | | | | | | | | |
| | | | | COMMENT:CHG TITLES | | | | | | | | | | | | | |
| M E 580 | GEOMETRIC METHODS Geometric Methods for Non-Linear Control Systems | SPR/2007 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | A A 580 E E | 580 | . |
| | | | | LAST UPDT: 2/25/16 | | APPROVED: 2/21/07 | | A A 580 | | | | | | | | | |
| M E 581 | DIGITAL CONTROL SYS Digital Control System Design | WIN/2017 - AUT/9999 | 4.0 | . | . | . | . | Y | . | . | . | . | . | . | M E 581 A A | 581 | . |
| | | | | LAST UPDT: 6/13/16 | | APPROVED: 4/29/96 | | E E 581 | | | | | | | | | |
| | | | | FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081 | | | | | | | | | | | | | |
| M E 582 | DISCRETE EVENT SYS Introduction to Discrete Event Systems | AUT/2005 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | M E 582 A A | 582 | . |
| | | | | LAST UPDT:10/23/06 | | APPROVED: 4/29/96 | | E E 582 | | | | | | | | | |
| | | | | COMMENT:CHG TITLES, DESCRIPT, PREREQ | | | | | | | | | | | | | |
| M E 583 | NONLINEAR CONTR SYS Nonlinear Control Systems | AUT/2005 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | E E 583 A A | 583 | . |
| | | | | LAST UPDT: 3/21/16 | | | | E E 583 | | | | | | | | | |
| | | | | COMMENT:CHANGE JOINT STATUS,DESC,PRERE | | | | | | | | | | | | | |

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| M E | 584 | COMBUS AIRB PROPLSN COMBUSTION IN AIRBREATHING PROPULSION | AUT/1992 - AUT/9999 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | COMMENT:CHG TITLES | | | | | | | | | | | | | | | |
| M E | 585 | SYS ID & ADAPT CTRL System Identification and Adaptive Control | AUT/2012 - AUT/9999 3.0 | . | . | . | . | . | . | . | . | . | . | E E | 585 A A | 585 | . |
| | | COMMENT:EMAIL PREQ CHG | | | | | | | | | | | | | E E | 585 | |
| M E | 588 | DYNMCS AND VIBR Dynamics and Vibrations | AUT/1975 - AUT/9999 3.0 | . | . | . | . | . | . | . | . | . | . | | | | . |
| | | COMMENT:WAS M E 568, CHG TITLES | | | | | | | | | | | | | | | |
| M E | 589 | VIBRATIONS Vibrations | AUT/1975 - AUT/9999 3.0 | . | . | . | . | . | . | . | . | . | . | | | | . |
| | | COMMENT:CHG TITLES, DESC | | | | | | | | | | | | | | | |
| M E | 590 | VIBRATIONS VIBRATIONS | AUT/1975 - AUT/9999 3.0 | . | . | . | . | . | . | . | . | . | . | | | | . |
| | | COMMENT:CHG TITLES | | | | | | | | | | | | | | | |
| M E | 591 | ROBOT & CONTR COLL ROBOTICS AND CONTROL SYSTEMS COLLOQUIUM | AUT/1996 - AUT/9999 1.0 | 30.0 | Y | CR/NC | . | . | . | . | . | . | . | A A | 591 A A | 591 | . |
| | | COMMENT:CHG TITLES, 5/13 RETRO MAX | | | | | | | | | | | | | | | |
| M E | 593 | FEEDFORWARD CONTROL Feedforward Control | SPR/2006 - AUT/9999 3.0 | . | . | . | . | . | . | . | . | . | . | M E | 593 A A | 593 | . |
| | | | | | | | | | | | | | | | E E | 593 | |
| M E | 594 | ROBUST CONTROL Robust Control | WIN/2010 - AUT/9999 3.0 | . | . | . | . | . | . | . | . | . | . | A A | 594 E E | 594 | . |
| | | COMMENT:CHG PREQ | | | | | | | | | | | | | A A | 594 | |
| M E | 597 | NETWORKED DYN SYS Networked Dynamics Systems | AUT/2008 - AUT/9999 3.0 | . | . | . | . | . | . | . | . | . | . | A A | 597 E E | 597 | . |
| | | | | | | | | | | | | | | | A A | 597 | |

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COLLEGE : J - Engineering
 DEPARTMENT: MECHANICAL ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL | U | | GRD | E | U | N | E | P | & | N | | | |
| M E 598 | GRAD PROJECTS Graduate Projects | AUT/2016 - AUT/9999 | 1.0-06.0 | Y | . | . | . | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT:12/15/16 APPROVED: 4/27/72 | | | | | | | | | | | | | | | | | |
| M E 599 | SPECIAL TOPICS Special Topics | AUT/2016 - AUT/9999 | 1.0-05.0 | 9.0 Y | . | . | . | Y | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 9/28/16 FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081 | | | | | | | | | | | | | | | | | |
| M E 600 | INDEPN DNT STDY/RSCH Independent Study or Research | SUM/1971 - AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 4/19/10 | | | | | | | | | | | | | | | | | |
| M E 700 | MASTERS THESIS Master's Thesis | WIN/1970 - AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 4/19/10 APPROVED: 1/01/70 | | | | | | | | | | | | | | | | | |
| M E 800 | DOCTORAL DISSERTATN Doctoral Dissertation | SUM/1976 - AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . |
| LAST UPDT: 4/19/10 APPROVED: 1/01/70 | | | | | | | | | | | | | | | | | |

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 DEPARTMENT: MECHANICAL ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE | QUARTERS | CREDITS | OVER D | | D | S H F | | | V | E E W | | | RESPONS | JOINT | O |
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| | | | | | -ALL | U | | GRD | E | U | | N | E | P | | | |
| MEIE 516 | ADV ENGR STAT ADVANCED TOPICS IN ENGINEERING STATISTICS | SPR/1980 - | AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:WAS M E 516 | | | | | | | | | | | | | | | | |
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| MEIE 599 | SPECIAL PROJECT I E SPECIAL PROJECTS IN INDUSTRIAL ENGINEERING | AUT/1999 - | AUT/9999 | 1.0-05.0 | 9.0 | Y | . | . | . | . | . | . | . | . | . | . | . |
| | COMMENT:RETURN FROM IND E 599 | | | | | | | | | | | | | | | | |
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LAST UPDT:10/18/06 APPROVED:11/18/79

LAST UPDT: 6/11/97 APPROVED: 6/28/93

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COLLEGE : J - Engineering
 DEPARTMENT: MAT SCI AND ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL U | GRD | | U N E | P | & N C M S N | A S W T P R G | | | | | | | |
| MSE 497 | UNDERGRAD RESEARCH Undergraduate Research | SPR/2005 - AUT/9999 | 1.0-05.0 | 12.0 | . | CR/NC | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/21/04 | | APPROVED:12/24/04 | | | | | | | | | | | |
| MSE 498 | SPECIAL TOPICS Special Topics | WIN/2013 - AUT/9999 | 1.0-05.0 | 15.0 | Y | . | . | Y | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/18/12 | | APPROVED:11/17/83 | | COMMENT:CHG MAX CREDITS | | | | | | | | | |
| | | | | FEE TYPE:1 | | \$50.00 | | BUDGET:069332 REV OBJ CD:943081 | | | | | | | | | |
| MSE 499 | SPECIAL PROJECT Special Project | AUT/1992 - AUT/9999 | 0.0 | 5.0 | Y | . | 11 | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/24/95 | | APPROVED:11/19/87 | | COMMENT:CHANGE DESCRIPTION | | | | | | | | | |
| MSE 501 | ADV PROC. INORG MAT Advanced Processing of Inorganic Materials | AUT/1999 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:10/30/06 | | APPROVED:10/27/89 | | COMMENT:CHANGE TITLE & DESCRIPTION | | | | | | | | | |
| MSE 502 | SOL-GEL PROCESSING Sol-Gel Processing | AUT/1999 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 2/08/99 | | APPROVED: 2/03/99 | | | | | | | | | | | |
| MSE 504 | INTRO TO MEMS Introduction to Microelectro Mechanical Systems | AUT/2001 - WIN/2017 | 4.0 | . | . | . | . | . | . | . | . | . | . | E E | 502 M E | 504 | . |
| | | | | LAST UPDT:12/16/16 | | APPROVED: 9/20/99 | | COMMENT:CHANGE JOINT STATUS | | | | | | | | | |
| MSE 504 | INTRO TO MEMS Introduction to Microelectro Mechanical Systems | SPR/2017 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | E E | 504 M E | 504 | . |
| | | | | LAST UPDT:12/16/16 | | APPROVED: 9/20/99 | | COMMENT:CHANGE JOINT STATUS | | | | | | | | | |
| MSE 510 | BONDING & STRUCTURE Bonding, Crystallography, and Symmetry-Related Properties of Materials | AUT/2004 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/01/03 | | APPROVED:10/01/89 | | COMMENT:CHANGE DESC,TITLES | | | | | | | | | |
| MSE 512 | TRANSM ELC MICRSCPY Experimental Transmission Electron Microscopy | WIN/1990 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:10/30/06 | | APPROVED: 6/27/85 | | COMMENT:CHG DESC | | | | | | | | | |

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COLLEGE : J - Engineering
 DEPARTMENT: MAT SCI AND ENGR

| CURRIC NUM | COURSE TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | OVER D | | D | S H F | | | V L E E W | | | | | RESPONS COURSE | JOINT COURSES | O M I T |
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| | | | | -ALL | U | | GRD | E | U | N | E | P | & | N | | | |
| MSE 583 | NANOMEDICINE Nanomedicine | SPR/2013 - AUT/9999 | 3.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/19/12 | | APPROVED:12/18/12 | | | | | | | | | | | |
| MSE 598 | ENGR MTLs PROJECT Engineering Materials Problems | AUT/1999 - AUT/9999 | 4.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 6/22/99 | | APPROVED: 6/21/99 | | | | | | | | | | | |
| MSE 599 | SPEC TPCS MATLS SCI Special Topics in Materials Science | WIN/2013 - AUT/9999 | 1.0-05.0 | 15.0 | Y | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT:12/18/12 | | APPROVED: 1/29/87 | | | | | | | | | | | |
| | | | | COMMENT:CHG MAX CREDITS | | | | | | | | | | | | | |
| MSE 600 | INDEPENDENT STUDY Independent Study or Research | WIN/1989 - AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 4/19/10 | | APPROVED: 6/09/88 | | | | | | | | | | | |
| | | | | COMMENT:WAS CER E 600 | | | | | | | | | | | | | |
| MSE 700 | MASTERS THESIS Master's Thesis | AUT/1988 - AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 4/19/10 | | APPROVED: 6/09/88 | | | | | | | | | | | |
| MSE 800 | DOCTORAL DISSERTATN Doctoral Dissertation | WIN/1989 - AUT/9999 | 0.0 | 999.0 | . | . | 11 | . | . | . | . | . | . | . | . | . | . |
| | | | | LAST UPDT: 4/19/10 | | APPROVED: 6/09/88 | | | | | | | | | | | |
| | | | | COMMENT:WAS CER E 800 | | | | | | | | | | | | | |