

ENGINEERING OUTREACH

UNIVERSITY OF IDAHO CATALOG | FALL 2020

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Professional Online Education



University
of Idaho



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GET STARTED!

Visit our Get Started web page at eo.uidaho.edu/get-started for a list of steps to take before classes begin. You will find detailed information about the topics listed below and more.

CALENDAR

See Engineering Outreach (EO) Calendar for important dates and deadlines for registration, graduation, course completion, and holidays at eo.uidaho.edu/calendar.

Courses begin August 24, 2020.

ADMISSION

EO students must be admitted to the University of Idaho. Visit our website for information about admission options at eo.uidaho.edu/admission.

REGISTRATION

Students register using VandalWeb with their NetIDs and passwords. Students will need the course registration number (CRN) to successfully register. For detailed instructions, visit our website at eo.uidaho.edu/vwreg.

FALL 2020 FEES

Students registering for courses delivered by EO pay a per credit fee. Fees include registration and online access but exclude textbooks or software. Payment in full is expected at the time of registration and must be received by the first day of class to avoid late fees. The current fees can be found on our website at eo.uidaho.edu/fees. Fees are subject to change by the Board of Regents of the University of Idaho; refer to our website for current fee information.

COURSE DELIVERY

Course sessions are recorded in Engineering Outreach high-definition (HD) studio classrooms on the University of Idaho campus. If fees are paid in full or a payment plan is established, students can access their course sessions and materials in the EO Portal on the first day of class by using their NetIDs and passwords. For more information, visit our website at eo.uidaho.edu/delivery.

EXAMS AND PROCTORS

Exams are distributed electronically to EO approved proctors. Proctor selection and approval must be completed by the first day of classes. For more information and our preapproved proctor maps, visit our website at eo.uidaho.edu/exam-process.

COURSE COMPLETION

The EO course completion deadline for Fall 2020 is December 18, 2020 at 3 p.m. Pacific Time. Proctors will be able to access final exams for live courses during finals week. Proctors will have access to all exams for pre-encoded courses at the beginning of the semester. It is critical students coordinate closely with their proctors to ensure final exams reach EO by the deadline.

ENGINEERING OUTREACH

Fall 2020 Courses

FALL TERM:

August 24—December 18 (16 weeks)

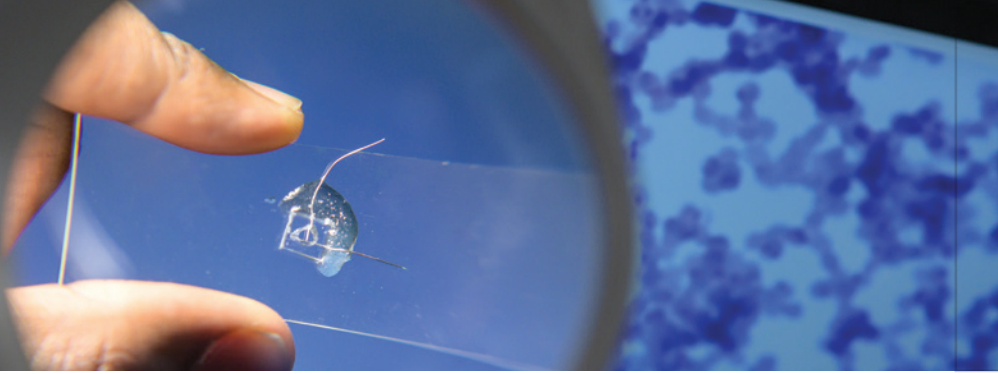
Registration Deadline: September 4

Visit eo.uidaho.edu/courses for the most current course information.

| CRN | COURSE # | TITLE |
|--|------------|---|
| BUSINESS | | |
| 40344 | MHR 513 | Leadership and Organizational Behavior |
| 41954 | OM 456 | Quality Management |
| CIVIL AND ENVIRONMENTAL ENGINEERING | | |
| 42801 | CE 428 | Open Channel Hydraulics |
| 42984 | CE 432 | Design of Water and Wastewater Systems II |
| 42804 | CE 504-RA | ST: Rigid and Airport Pavement Design |
| 39247 | CE 504-TD | ST: Timber Design |
| 42802 | CE 532 | Design of Water and Wastewater Systems II |
| 41101 | CE 535 | Fluvial Geomorphology and River Mech |
| 41100 | CE 541 | Reliability of Engineering Systems |
| 41965 | CE 545 | Matrix Structural Analysis |
| 38135 | CE 554 | Environmental Hydrodynamics |
| COMPUTER SCIENCE | | |
| 42796 | CS 404-MV | ST: Machine Vision |
| 42950 | CS 404-PE | ST: Prog Embedded Processors |
| 42792 | CS 411 | Parallel Programming |
| 42791 | CS 420 | Data Communication Systems |
| 30343 | CS 445 | Compiler Design |
| 39264 | CS 472 | Evolutionary Computation |
| 42794 | CS 504-MV | ST: Machine Vision |
| 42119 | CS 504-PE | ST: Prog Embedded Processors |
| 42793 | CS 511 | Parallel Programming |
| 42790 | CS 520 | Data Communication Systems |
| 39265 | CS 572 | Evolutionary Computation |
| ELECTRICAL AND COMPUTER ENGINEERING | | |
| 32624 | ECE 330 | Electromagnetic Theory |
| 37272 | ECE 349 | Background Study in Digital Logic |
| 41968 | ECE 404-SR | ST: Sustainable and Renewable Energy |
| 37964 | ECE 410 | Microelectronics II |
| 41949 | ECE 415 | Analog Circuit Design |
| 42283 | ECE 418 | Introduction to Electronic Packaging |
| 41133 | ECE 420 | Energy Systems II |
| 33591 | ECE 421 | Introduction to Power Systems |
| 42009 | ECE 432 | Propagation of Wireless Signals |

| CRN | COURSE # | TITLE |
|--|------------|---------------------------------------|
| ELECTRICAL AND COMPUTER ENGINEERING (CONT.) | | |
| 31868 | ECE 450 | Signals and Systems II |
| 42060 | ECE 460 | Semiconductor Devices |
| 41135 | ECE 470 | Control Systems |
| 41970 | ECE 504-SD | Semiconductor Devices |
| 41956 | ECE 515 | Analog Circuit Design |
| 32700 | ECE 518 | Introduction to Electronic Packaging |
| 42822 | ECE 520 | Advanced Electrical Machinery |
| 42798 | ECE 525 | Power Systems Protection and Relaying |
| 42799 | ECE 528 | Understanding Power Quality |
| 41906 | ECE 572 | Linear System Theory |
| ENGINEERING MANAGEMENT | | |
| 40375 | EM 580 | Technical Project Management |
| ENGINEERING— GENERAL | | |
| 42800 | ENGR 335 | Engineering Fluid Mechanics |
| 41960 | ENGR 428 | Numerical Methods |
| GEOLOGICAL ENGINEERING | | |
| 37955 | GEOE 465 | Excavation and Materials Handling |
| MATERIALS SCIENCE AND ENGINEERING | | |
| 41967 | MSE 415 | Materials Selection and Design |
| 42823 | MSE 434 | Fundamentals of Polymeric Materials |
| 41119 | MSE 437 | Radiation Effects on Materials |
| 41911 | MSE 507 | Microstructures and Defects |
| TBD | MSE 525 | Electronic Materials |
| 41118 | MSE 537 | Radiation Effects on Materials |
| MATHEMATICS | | |
| 31145 | MATH 123 | Math in Modern Society |
| 31712 | MATH 160 | Survey of Calculus*** |
| 21341 | MATH 170 | Calculus I*** |
| 24794 | MATH 175 | Calculus II*** |
| 41114 | MATH 176 | Discrete Mathematics |
| 33541 | MATH 215 | Proof via Number Theory |
| 24796 | MATH 275 | Calculus III |
| 16710 | MATH 310 | Ordinary Differential Equations |





University
of Idaho

ADMINISTRATIVE OFFICE DIRECTORY

ADMISSIONS (Undergraduate/Non-degree)

admissions@uidaho.edu
(208) 885-6326

ADMISSIONS (Graduate)

graduateadmissions@uidaho.edu
(208) 885-4001

COLLEGE OF GRADUATE STUDIES

uigrad@uidaho.edu
(208) 885-2647

FINANCIAL AID

finaid@uidaho.edu
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libref@uidaho.edu
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REGISTRAR'S OFFICE

registrar@uidaho.edu
(208) 885-6731

STUDENT ACCOUNTS

acctrec@uidaho.edu
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VANDALSTORE

vandalstore@uidaho.edu
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VETERANS ASSISTANCE

veterans@uidaho.edu
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UI TESTING CENTERS

- **BOISE**
Denise Engebrecht (denisee@uidaho.edu)
(208) 364-6123
- **COEUR D'ALENE**
NIC Testing Center (testing_center@nic.edu)
(208) 676-7203
- **IDAHO FALLS**
Debbie Caudle (debrac@uidaho.edu)
(208) 757-5454
- **MOSCOW**
ctc@uidaho.edu
(208) 885-6716

CRN COURSE # TITLE

MATHEMATICS (CONT.)

| | | |
|-------|----------|---------------------------------|
| 16712 | MATH 330 | Linear Algebra |
| 41115 | MATH 386 | Theory of Numbers |
| 21343 | MATH 390 | Axiomatic Geometry |
| 41256 | MATH 420 | Complex Variables |
| 18178 | MATH 426 | Discrete Optimization |
| 41952 | MATH 428 | Numerical Methods |
| 36206 | MATH 430 | Advanced Linear Algebra |
| 16730 | MATH 451 | Probability Theory |
| 21347 | MATH 452 | Mathematical Statistics |
| 16734 | MATH 461 | Abstract Algebra I |
| 24800 | MATH 462 | Abstract Algebra II |
| 16738 | MATH 471 | Introduction to Analysis I |
| 19798 | MATH 472 | Introduction to Analysis II |
| 40103 | MATH 480 | Partial Differential Equations |
| 41116 | MATH 521 | Topology I |
| 41908 | MATH 528 | Differentiable Methods |
| 41961 | MATH 529 | Numerical Methods |
| 41117 | MATH 557 | Ring Theory |
| 42179 | MATH 559 | Algebraic Number Theory |
| 38561 | MTHE 513 | Problem Solving Through History |
| 41113 | MTHE 516 | Groups and Symmetry |

MECHANICAL ENGINEERING

| | | |
|-------|--------|--------------------------------------|
| 41909 | ME 415 | Materials Selection and Design |
| 41953 | ME 438 | Sustainability and Green Design |
| 41910 | ME 450 | Fund of Computational Fluid Dynamics |
| 41111 | ME 481 | Control Systems |
| 41962 | ME 538 | Sustainability and Green Design |
| 24776 | ME 541 | Mechanical Engineering Analysis |

NUCLEAR ENGINEERING

| | | |
|-------|--------|----------------------------------|
| 41106 | NE 437 | Radiation Effects on Materials |
| 42957 | NE 528 | Management of Nuclear Facilities |
| 41107 | NE 537 | Radiation Effects on Materials |

STATISTICS

| | | |
|-------|----------|-----------------------------------|
| 16778 | STAT 251 | Statistical Methods |
| 16780 | STAT 301 | Probability and Statistics |
| 41919 | STAT 407 | Experimental Design |
| 40467 | STAT 419 | Introduction to SAS/R Programming |
| 39288 | STAT 422 | Sample Survey Methods |
| 36204 | STAT 431 | Statistical Analysis |
| 16732 | STAT 451 | Probability Theory |
| 21325 | STAT 452 | Mathematical Statistics |
| 41955 | STAT 456 | Quality Management |
| 31745 | STAT 507 | Experimental Design |
| 36205 | STAT 565 | Computer Intensive Statistics |

TECHNOLOGY MANAGEMENT

| | | |
|-------|--------|----------------------------------|
| 42958 | TM 538 | Management of Nuclear Facilities |
|-------|--------|----------------------------------|



Engineering Outreach
College of Engineering
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875 Perimeter Drive MS 1014
Moscow, ID 83844-1014

Contact Us

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Email: eo-support@uidaho.edu

EO Portal for Course Materials and Exams

eo.uidaho.edu/portal

Visit Our Website

eo.uidaho.edu

View a Sample Session

eo.uidaho.edu/demo



Quality Programs... Online Delivery!

- Engineering Outreach (EO) offers complete graduate degrees, academic certificates, and coursework that may be transferred for credit in engineering and related fields.
- EO is an established distance education program with over 40 years of experience delivering courses to off-campus students.
- The University of Idaho is regionally accredited by the Northwest Commission on Colleges and Universities (NWCCU) and is a member of the Association of Public Land Grant Universities (APLU).
- More than 95 percent of EO students complete their courses.
- EO is approved by the U.S. Department of Veterans Affairs (VA) for U.S. military students.
- U of I's engineering graduate programs are supported by undergraduate degree programs that are accredited by the Engineering Accreditation Commission of ABET: <http://www.abet.org>.
- Course sessions are encoded in high definition (HD) and are accessible online through a secure portal within two hours of being recorded on campus.
- More than 70 continually updated courses are delivered each fall and spring semester (fewer during the summer).
- EO offers personalized academic support services with a responsive staff committed to meeting the educational needs of our students.





ENGINEERING OUTREACH

College of Engineering
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- Teaching Mathematics
- math@uidaho.edu

Non-Degree Coursework

- Professional Development
- STEM Coursework
- Transfer Credits

Focus Areas

- Business/Accounting
- Nuclear Engineering

Academic Certificates

- Analog Integrated Circuit Design
- Power System Protection and Relaying
- Process and Performance Excellence
- Secure and Dependable Computing Systems
- Statistics