

Engineering Outreach

UNIVERSITY OF IDAHO CATALOG | FALL 2017

eo.uidaho.edu



University of Idaho

Professional Online Education



University of Idaho - Moscow Campus

Visit Our Website!
eo.uidaho.edu



Cover photo: University of Idaho— Teaching and Learning Center with UI water tower in the distance.

University of Idaho Catalog, Vol. 113, No. 3 – June 2017

The University of Idaho Catalog (USPS 651-360) is published five times per year. Published twice in April, once in June, October and November by the University of Idaho Office of the Registrar, Engineering Outreach, and Independent Study in Idaho, 875 Perimeter Dr. MS 4260, Moscow, Idaho 83844-4260.

Periodicals postage paid at Moscow, Idaho 83843. Postmaster: Send address changes to: University of Idaho, Engineering Outreach 875 Perimeter Dr. MS 1014, Moscow, ID 83844-1014.

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 21, 2017

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 2017 FEES

Students registering for courses delivered by EO pay a per credit fee. Fees include registration and online access but not 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, 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 qualified proctors. Proctor selection and approval must be completed by the first day of classes. For more information visit our website at eo.uidaho.edu/exam-process.

COURSE COMPLETION

The EO course completion deadline for Fall 2017 is December 15, 2017 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 the final exams reach EO by the deadline.

ENGINEERING OUTREACH

Fall 2017 Courses

August 21 - December 15 (16 weeks)

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

CRN	Course Number	Title
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BUSINESS

40346	OM 456	Quality Management
40345	MKTG 495	Product Development and Brand Management
40344	MHR 513	Leadership and Organizational Behavior

CIVIL ENGINEERING

38571	CE 444	Steel Design
39247	CE 504-AC	ST: Advanced Concrete Materials and Durability
36228	CE 520	Fluid Dynamics
26506	CE 556	Properties of Highway Materials
16652	CE 561	Engineering Properties of Soils
40088	CE 563	Seepage and Soil Stability

COMPUTER SCIENCE

40176	CS 411	Parallel Programming
40089	CS 449	Fault-Tolerant Systems
39264	CS 472	Evolutionary Computation
40177	CS 511	Parallel Programming
35377	CS 549	Fault-Tolerant Systems
39265	CS 572	Evolutionary Computation

ELECTRICAL AND COMPUTER ENGINEERING

37476	ECE 210	Electrical Circuits I
37477	ECE 211	Electrical Circuits I Lab*
37478	ECE 212	Electrical Circuits II
37479	ECE 213	Electrical Circuits II Lab*
38769	ECE 240	Digital Logic
38768	ECE 241	Logic Circuit Lab*
31307	ECE 310	Microelectronics I
37515	ECE 311	Microelectronics I Lab*

CRN	Course Number	Title
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32624	ECE 330	Electromagnetic Theory
37272	ECE 349	Background Study in Digital Logic
36208	ECE 350	Signals and Systems I
25975	ECE 359	Background Study in Signals and Systems Analysis
37964	ECE 410	Microelectronics II
34445	ECE 415	Analog Integrated Circuit Design
33591	ECE 421	Introduction to Power Systems
32635	ECE 432	Propagation of Wireless Signals
36209	ECE 434	Antenna Principles and Design
33593	ECE 445	Introduction to VLSI Design
40144	ECE 449	Fault-Tolerant Systems
31868	ECE 450	Signals and Systems II
39314	ECE 465	Introduction to Microelectronics Fabrication
34454	ECE 515	Analog Integrated Circuit Design
40318	ECE 521	Power System Stability
31898	ECE 523	Symmetrical Components
40146	ECE 527	Dynamics and Control of AC Drives
40122	ECE 530	Advanced Electromagnetic Theory
39315	ECE 565	Introduction to Microelectronics Fabrication
35400	ECE 579	Engineering Acoustics

ENGINEERING – GENERAL

38625	ENGR 428	Numerical Methods
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ENGINEERING MANAGEMENT

33568	EM 504-PI	ST: Process Improvement Methods
40375	EM 580	Technical Project Management

GEOLOGICAL ENGINEERING

37955	GEOE 465	Excavation and Materials Handling
40125	GEOE 535	Seepage and Soil Stability



University of Idaho Campus

Below: Former U.S. Secretary of Transportation, Anthony Foxx, and Dean Stauffer with the Engineering Snowmobile and Race Car team.



UNIVERSITY OF IDAHO

Administrative Office Directory

Admissions

(Undergraduate/Non-degree)

admissions@uidaho.edu

(208) 885-6326

Admissions (Graduate)

gadms@uidaho.edu

(208) 885-4001

College of Graduate Studies

uigrad@uidaho.edu

(208) 885-2647

Financial Aid

finaid@uidaho.edu

(208) 885-6312

Information Technology Services (ITS)

helpdesk@uidaho.edu

(208) 885-4357

Library

libref@uidaho.edu

(208) 885-6584

Registrar's Office

registrar@uidaho.edu

(208) 885-6731

Student Accounts

acctrec@uidaho.edu

(208) 885-7447

VandalStore

vandalstore@uidaho.edu

(208) 885-6469

Veterans Advisor

veterans@uidaho.edu

(208) 885-7979

UI Testing Centers

BOISE

Denise Engebrecht (denisee@uidaho.edu)

(208) 364-6123

COEUR D'ALENE

Angie Sowers (asowers@uidaho.edu)

(208) 664-7013

IDAHO FALLS

Debbie Caudle (debrac@uidaho.edu)

(208) 757-5454

MOSCOW

ctc@uidaho.edu

(208) 885-6716

CRN	Course Number	Title
MATHEMATICS		
31145	MATH 123	Mathematics Applied to the Modern World
31712	MATH 160	Survey of Calculus***
21341	MATH 170	Analytic Geometry and Calculus I***
24794	MATH 175	Analytic Geometry and Calculus II***
33541	MATH 215	Proof via Number Theory
24796	MATH 275	Analytic Geometry and Calculus III
16710	MATH 310	Ordinary Differential Equations
16712	MATH 330	Linear Algebra
36430	MATH 388	History of Mathematics
21343	MATH 390	Axiomatic Geometry
18178	MATH 426	Discrete Optimization
38560	MATH 428	Numerical Methods
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
40103	MATH 480	Partial Differential Equations
38561	MTHE 513	Problem Solving Through History
38562	MTHE 516	Groups and Symmetry
MECHANICAL ENGINEERING		
35392	ME 413	Engineering Acoustics
40080	ME 420	Fluid Dynamics
40373	ME 458	Finite Element Applications in Engineering
36245	ME 472	Mechanical Vibrations
35393	ME 513	Engineering Acoustics
36227	ME 520	Fluid Dynamics
24776	ME 541	Mechanical Engineering Analysis
40374	ME 558	Finite Element Applications in Engineering
MATERIALS SCIENCE AND ENGINEERING		
40083	MSE 421	Light Metals
40092	MSE 434	Fundamentals of Polymeric Materials
38608	MSE 507	Microstructures and Defects
40084	MSE 521	Light Metals
STATISTICS		
16778	STAT 251	Statistical Methods
16780	STAT 301	Probability and Statistics
40467	STAT 419	Intro 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
28130	STAT 456	Quality Management
31745	STAT 507	Experimental Design
36205	STAT 565	Computer Intensive Statistics

University of Idaho

College of Engineering
Engineering Outreach
Engineering Physics Building,
Room 312
875 Perimeter Drive MS 1014
Moscow, ID 83844-1014

Contact Us

Phone:(800) 824-2889
Local:.....(208) 885-4642
Fax:(208) 885-9249
Email:eoreg@uidaho.edu

Course Materials and Exams

eo.uidaho.edu/portal
eoship@uidaho.edu

Visit Our Website

eo.uidaho.edu

View a Sample Session

eo.uidaho.edu/demo



Engineering Outreach
at the *University of Idaho*

Quality Programs... Online Delivery!

- Engineering Outreach (EO) offers complete graduate degrees, academic certificates, and coursework for transfer 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).
- GradSource.com ranks the Engineering Outreach program at the University of Idaho #6 out of 113 programs offering online engineering Master's degree programs nationwide.
- 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.
- 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

Achieve Your Professional Education Goals...Online!

Master's Degree Programs

- Electrical Engineering
- Mechanical Engineering
- Civil Engineering
- Computer Science
- Computer Engineering
- Engineering Management
- Technology Management
- Geological Engineering
- Statistical Science
- Teaching Mathematics

Academic Certificates

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

Focus Areas

- Business/Accounting
- Materials Science and Engineering
- Nuclear Engineering

Non-Degree Coursework

- Professional Development
- STEM Coursework
- Transfer Credits