# **ENGINEERING OUTREACH**

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UNIVERSITY OF IDAHO CATALOG | SPRING 2021

eo.uidaho.edu



**Professional Online Education** 





Cover photo: University of Idaho

University of Idaho Catalog, Vol. 116, No. 5 – November 2020

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/getstarted** for a list of steps to take before classes begin. You will find detailed information about the topics listed below and more.

#### CALENDAR

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

Courses begin January 13, 2021.

#### **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/registration**.

#### **SPRING 2021 FEES**

Students registering for courses delivered by EO pay a per credit fee. Fees include registration and online access but exclude textbooks and software. Payment in full is expected at the time of registration and must be received by the 10th day of class. 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. 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 for our preapproved proctor maps, visit our website at **eo.uidaho.edu/exam-process**.

#### **COURSE COMPLETION**

The EO course completion deadline for Spring 2021 is May 14, 2021 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**

## Spring 2021 Courses

**SPRING TERM:** 

January 13 – May 14 (16 weeks) Registration Deadline: January 27

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

CRN	COURSE #	TITLE		
BIOLOGICAL ENGINEERING				
47668	BE 504-SF	ST: Sustain Food-Energy-Water		
BUSINE	SS			
46361 72384	ACCT 582 MHR 513	Enterprise Accounting Leadership and Organizational Behavior		
72373	OM 456	Quality Management		
CIVIL A	ND ENVIRONM	IENTAL ENGINEERING		
62208 72801 75294 69847 71017 75295	CE 484 CE 511 CE 512	Design of Water and Wastewater Systems I Reinforced Concrete Design Steel Design Engineering Law and Contracts Design of Water and Wastewater Systems I Advanced Topics in Waste Management and Treatment		
ELECTR	ICAL AND CON	APUTER ENGINEERING		
74104 75356 74105 60237 74430 74329 56928 62748 56542 70682 72330 74111 75246 70689 74431 74328 66382 68618	ECE 415 ECE 419 ECE 420 ECE 422 ECE 427 ECE 430 ECE 462 ECE 465 ECE 465 ECE 476 ECE 504-EM ECE 515 ECE 516	Energy Systems I BBackground Study in Energy Systems Background Study in Digital Logic Microelectronics II Analog Integrated Circuit Design Image Sensors and Systems Energy Systems II Power Systems Analysis Power Electronics Microwave and Millimeter Wave Circuits Semiconductor Theory Introduction to Microelectronics Fabrication Digital Filtering ST: Advanced Topics in Electromagnetics Analog Integrated Circuit Design Image Sensors and Systems Protection of Power Systems II Utility Applications of Power Electronics		
58934 74122		Semiconductor Theory Introduction to Microelectronics Fabrication		

CRN	COURSE #	TITLE		
ENGINE	ERING MANA	GEMENT		
61703 71395	EM 510 EM 582	Engineering Management Fundamentals Advanced Topics in Project Management		
ENGINE	ERING - GENI	ERAL		
68136	ENGR 428	Numerical Methods		
GEOLOGICAL ENGINEERING				
69111	GEOE 407	Rock Mechanics		
MATHEMATICS				
65255	MATH 123	Math in Modern Society		
61583	MATH 160	Survey of Calculus***		
51928	MATH 170	Calculus I***		
53279	MATH 175	Calculus II***		
55190	MATH 275	Calculus III		
46380	MATH 310	Ordinary Differential Equations		
44402	MATH 330	Linear Algebra		
49771	MATH 390	Axiomatic Geometry		
46381	MATH 420	Complex Variables		
48089	MATH 426	Discrete Optimization		
68139	MATH 428	Numerical Methods		
68090	MATH 430	Advanced Linear Algebra		
46502	MATH 451	Probability Theory		
50177	MATH 452	Mathematical Statistics		
50243	MATH 461	Abstract Algebra I		
46389	MATH 462	Abstract Algebra II		
50087	MATH 471	Introduction to Analysis I		
46391	MATH 472	Introduction to Analysis II		
71734	MATH 480	Partial Differential Equations		
73460	MATH 521	Topology I		
73462	MATH 528	Differentiable Manifolds		
72387	MATH 529	Numerical Methods		
73466	MTHE 513	Problem Solving Through History		
74217	MTHE 516	Groups and Symmetry		
MATER	IALS SCIENCE	AND ENGINEERING		
75258	MSE 464	Materials Physics and Engineering		
75357	MSE 512	Nuclear Components Inspection		
75259	MSE 564	Materials Physics and Engineering		



CRN	COURSE #	TITLE
MECHA	NICAL ENGIN	EERING
74301 72468 69141 75302 73442 75257 68199 74241 60317 46371 73441	ME 404-SD ME 412 ME 414 ME 436 ME 458 ME 495 ME 504-SD ME 504-SF ME 514 ME 540 ME 558	ST: Sustainable Design and Manufacturing Gas Dynamics HVAC Systems Sustainable Energy Sources and Systems Finite Element Applications in Engineering Mechanics in Design and Manufacturing ST: Sustainable Design and Manufacturing ST: Sustain Food-Energy-Water HVAC Systems Continuum Mechanics Finite Element Applications in Engineering
NUCLE/	AR ENGINEERI	ING
75352	NE 512	Nuclear Components Inspection
STATIS	TICS	
46400 48689 72345 63063 68091 48093 50422 63065 66305 69826	STAT 251 STAT 301 STAT 419 STAT 422 STAT 421 STAT 451 STAT 452 STAT 456 STAT 550 STAT 555	Statistical Methods Probability and Statistics Intro to SAS/R Programming Sample Survey Methods Statistical Analysis Probability Theory Mathematical Statistics Quality Management Regression Statistical Ecology
TECHNOLOGY MANAGEMENT		
75350 68140 75351	INDT 419 TM 510 TM 519	Industrial Sustainability Analysis Technology Management Fundamentals Industrial Sustainability Analysis
WILDLI	FE RESOURCE	S
72372	WLF 555	Statistical Ecology

## Visit Our Website! eo.uidaho.edu

JANUARY           S         M         T         W         T         F         S           1         2         3         4         5         6         7         8         9           10         11         12         13         14         15         16           17         18         19         20         21         22         23           24         25         26         27         28         29         30	S         M         T         W         T         F         S           1         2         3         4         5         6           7         8         9         10         11         12         13           14         15         16         17         18         19         20           21         22         23         24         25         26         27			
31           S         M         T         W         T         F         S           1         2         3         4         5         6           7         8         9         10         11         12         13           14         15         16         17         18         19         20           21         22         23         24         25         26         27           28         29         30         31	Image: Ample and a matrix and a ma			
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JULY S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S         M         T         W         T         F         S           1         2         3         4         5         6         7           8         9         10         11         12         13         14           15         16         17         18         19         20         21           22         23         24         25         26         27         28           29         30         31			
SEPTEMBER           S         M         T         W         T         F         S           1         2         3         4           5         6         7         8         9         10         11           12         13         14         15         16         17         18           19         20         21         22         23         24         25           26         27         28         29         30         30	S         M         T         W         T         F         S           2         3         4         5         6         7         8           9         10         11         12         13         14         15           16         17         18         19         20         21         22           23         24         25         26         27         28         29           30         31			
NOVENDER           S         M         T         W         T         F         S           1         2         3         4         5         6           7         8         9         10         11         12         13           14         15         16         17         18         19         20           21         22         23         24         25         26         27           28         29         30         31	Image: Sector			
<ul> <li>University holiday</li> <li>Closed to the public</li> <li>University of Idaho</li> </ul>				



Engineering Outreach College of Engineering Janssen Engineering Building Rooms 31 and 37 875 Perimeter Drive MS 1014 Moscow, ID 83844-1014

### **Contact Us**

Phone:	
Local:	(208) 885-6373
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



Lifelong Learning Isn't Just for Our Kids



## 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 875 Perimeter Drive MS 1014 Moscow, ID 83844-1014 Periodicals POSTAGE PAID at Moscow ID 83843

## **ENGINEERING OUTREACH** Achieve Your Professional Education Goals ... Online! eo.uidaho.edu

## **Master's Degree Programs**

- Electrical Engineering - ece-info@uidaho.edu
- Mechanical Engineering - medept@uidaho.edu
- Civil Engineering
   cee@uidaho.edu
- Computer Science - csinfo@uidaho.edu
- Computer Engineering
   ece-info@uidaho.edu
- Engineering Management
- Technology Management
   engr-tm@uidaho.edu
- Geological Engineering
   cee@uidaho.edu
- Statistical Science - mathstat@uidaho.edu
- Teaching Mathematics
   mathstat@uidaho.edu

## **Non-Degree Coursework**

- Professional Development
- STEM Coursework
- Transfer Credits

### **Focus Areas**

- Business/Accounting
- Nuclear Engineering

## **Academic Certificates**

- Power System Protection and Relaying
- Secure and Dependable Computing Systems
- Statistics