

Engineering Outreach

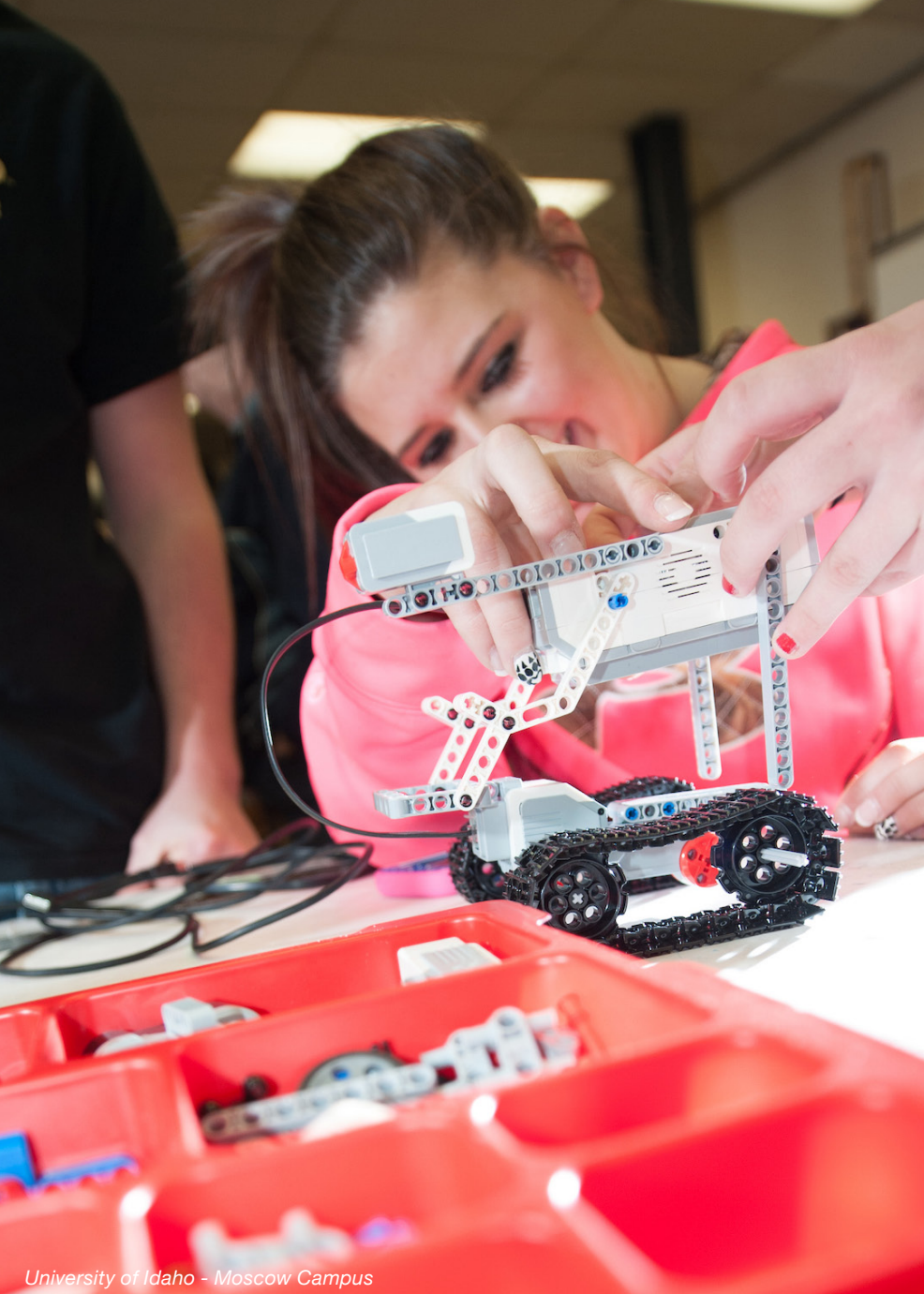
UNIVERSITY OF IDAHO CATALOG | SPRING 2018

eo.uidaho.edu



University of Idaho

Professional Online Education



University of Idaho - Moscow Campus

Visit Our Website!
eo.uidaho.edu



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 January 10, 2018.

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.

SPRING 2018 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 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 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 Spring 2018 is May 11, 2018 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.

Cover photo: University of Idaho — Albertson Building and Administrative Building.

University of Idaho Catalog, Vol. 113, No.5 — November 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.

ENGINEERING OUTREACH

Spring 2018 Courses

January 10 – May 11 (16 weeks)

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

CRN	Course Number	Title
-----	---------------	-------

ACCOUNTING

46361 ACCT 582 Enterprise Accounting

BUSINESS

72384 MHR 513 Leadership and Organizational Behavior

72373 OM 456 Quality Management

CIVIL ENGINEERING

72311 CE 428 Open Channel Hydraulics

62208 CE 431 Design of Water and Wastewater Systems I

72314 CE 445 Matrix Structural Analysis

69847 CE 484 Engineering Law and Contracts

72315 CE 507 River Restoration

71017 CE 511 Design of Water and Wastewater Systems I

72316 CE 545 Matrix Structural Analysis

69113 CE 546 Finite Element Analysis

46203 CE 562 Advanced Foundation Engineering

71341 CE 575 Advanced Pavement Design and Analysis

COMPUTER SCIENCE

72346 CS 420 Data Communication Systems

72347 CS 428 Multi-User Games and Virtual Environments

71043 CS 445 Compiler Design***

71961 CS 470 Artificial Intelligence

72348 CS 475 Machine Learning

65447 CS 520 Data Communication Systems

42349 CS 528 Multi-User Games and Virtual Environments

71962 CS 570 Artificial Intelligence

72350 CS 575 Machine Learning

ELECTRICAL AND COMPUTER ENGINEERING

69095 ECE 210 Electrical Circuits I

69096 ECE 211 Electrical Circuits I Lab*

69097 ECE 212 Electrical Circuits II

69098 ECE 213 Electrical Circuits II Lab*

69891 ECE 240 Digital Logic

69892 ECE 241 Logic Circuit Lab*

63160 ECE 330 Electromagnetic Theory

71503 ECE 349 Background Study in Digital Logic

66555 ECE 404-PL ST: PLL and High-Speed Link Design

60237 ECE 410 Microelectronics II

70669 ECE 417 Mixed Signal IC Design

71512 ECE 418 Introduction to Electronic Packaging

CRN	Course Number	Title
-----	---------------	-------

ELECTRICAL AND COMPUTER ENGINEERING (CONT.)

56928 ECE 420 Energy Systems II

62748 ECE 422 Power Systems Analysis

56542 ECE 427 Power Electronics

70682 ECE 430 Microwave and Millimeter Wave Circuits

66373 ECE 440 Digital Systems Engineering

69220 ECE 444 Supervisory Control and Critical Infrastructure Systems

69897 ECE 445 Introduction to VLSI Design

71513 ECE 452 Communications Systems

72330 ECE 462 Semiconductor Theory

70689 ECE 504-AF ST: Advanced Frequency – Domain Control

68424 ECE 504-PL ST: PLL and High-Speed Link Design

66372 ECE 517 Mixed Signal IC Design

71514 ECE 518 Introduction to Electronic Packaging

62236 ECE 524 Transients in Power Systems

72487 ECE 531 Advanced Electromagnetic Theory II

72388 ECE 539 Advanced Topics in Electromagnetics

69221 ECE 544 Supervisory Control and Critical Infrastructure Systems

58934 ECE 562 Semiconductor Theory

63311 ECE 579 Engineering Acoustics

ENGINEERING – GENERAL

68136 ENGR 428 Numerical Methods

ENGINEERING MANAGEMENT

61703 EM 510 Engineering and Technology Management Fundamentals

71395 EM 582 Advanced Topics in Project Management

GEOLOGICAL ENGINEERING

69111 GEOE 407 Rock Mechanics

MATHEMATICS

65255 MATH 123 Mathematics Applied to the Modern World

61583 MATH 160 Survey of Calculus***

51928 MATH 170 Analytic Geometry and Calculus I***

53279 MATH 175 Analytic Geometry and Calculus II***

72385 MATH 176 Discrete Mathematics

63060 MATH 215 Proof via Number Theory

55190 MATH 275 Analytic Geometry and Calculus III

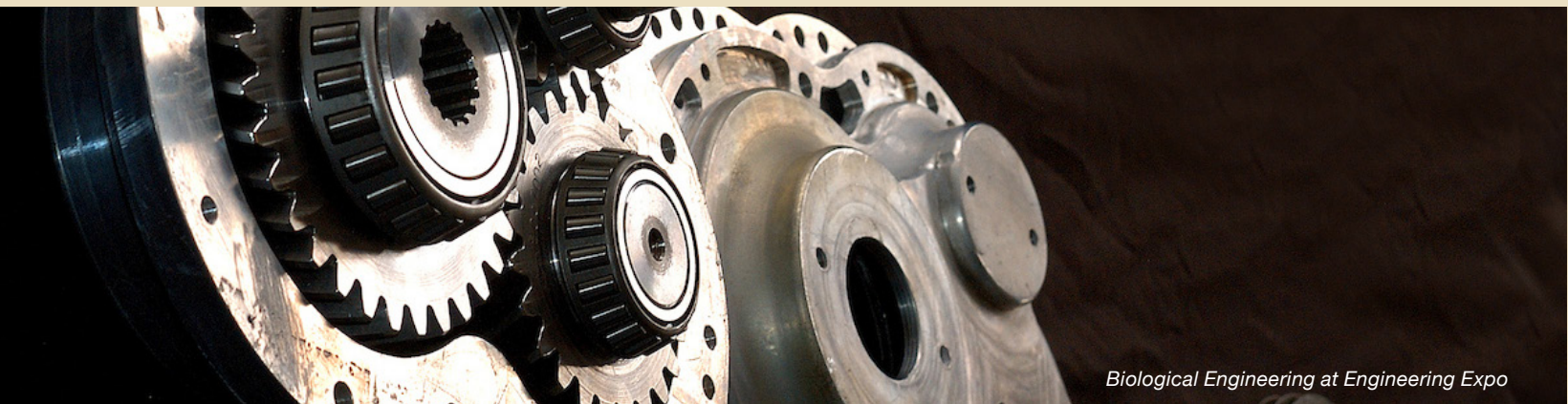
46380 MATH 310 Ordinary Differential Equations

44402 MATH 330 Linear Algebra

72386 MATH 386 Theory of Numbers

68089 MATH 388 History of Mathematics

49771 MATH 390 Axiomatic Geometry



Biological Engineering at Engineering Expo



-2018-

CRN	Course Number	Title
48089	MATH 426	Discrete Optimization
68139	MATH 428	Numerical Methods
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
72387	MATH 529	Numerical Methods
70641	MTHE 513	Problem Solving Through History
70642	MTHE 516	Groups and Symmetry
MECHANICAL ENGINEERING		
72468	ME 412	Gas Dynamics
70736	ME 413	Engineering Acoustics
69141	ME 414	HVAC Systems
72470	ME 436	Sustainable Energy Sources and Systems
72474	ME 438	Sustainability and Green Design
69134	ME 450	Computations Fluid Dynamics
72745	ME 464	Robotics: Kinematics, Dynamics, and Control
68216	ME 472	Mechanical Vibrations
49767	ME 513	Engineering Acoustics
60317	ME 514	HVAC Systems
72472	ME 538	Sustainability and Green Design
46371	ME 540	Continuum Mechanics
69137	ME 549	Finite Element Analysis
39133	ME 550	Computational Fluid Dynamics
73476	ME 564	Robotics: Kinematics, Dynamics, and Control
MATERIALS SCIENCE AND ENGINEERING		
70644	MSE 537	Radiation Effects on Materials
NUCLEAR ENGINEERING		
70663	NE 537	Radiation Effects on Materials
STATISTICS		
46400	STAT 251	Statistical Methods
48689	STAT 301	Probability and Statistics
72345	STAT 419	Intro to SAS/R Programming
63063	STAT 422	Survey Sampling Methods
68091	STAT 431	Statistical Analysis
46093	STAT 451	Probability Theory
50422	STAT 452	Mathematical Statistics
63065	STAT 456	Quality Management
63067	STAT 519	Multivariate Analysis
66305	STAT 550	Regression
69826	STAT 555	Statistical Ecology
68092	STAT 565	Computer Intensive Statistics
WILDLIFE RESOURCES		
72372	WLF 555	Statistical Ecology

JANUARY							FEBRUARY							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	
	1	2	3	4	5	6					1	2	3	
7	8	9	10	11	12	13	4	5	6	7	8	9	10	
14	15	16	17	18	19	20	11	12	13	14	15	16	17	
21	22	23	24	25	26	27	18	19	20	21	22	23	24	
28	29	30	31				25	26	27	28				
MARCH							APRIL							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	
				1	2	3	1	2	3	4	5	6	7	
4	5	6	7	8	9	10	8	9	10	11	12	13	14	
11	12	13	14	15	16	17	15	16	17	18	19	20	21	
18	19	20	21	22	23	24	22	23	24	25	26	27	28	
25	26	27	28	29	30	31	29	30						
MAY							JUNE							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3	4	5						1	2
6	7	8	9	10	11	12	3	4	5	6	7	8	9	
13	14	15	16	17	18	19	10	11	12	13	14	15	16	
20	21	22	23	24	25	26	17	18	19	20	21	22	23	
27	28	29	30	31			24	25	26	27	28	29	30	
JULY							AUGUST							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	
1	2	3	4	5	6	7				1	2	3	4	
8	9	10	11	12	13	14	5	6	7	8	9	10	11	
15	16	17	18	19	20	21	12	13	14	15	16	17	18	
22	23	24	25	26	27	28	19	20	21	22	23	24	25	
29	30	31					26	27	28	29	30	31		
SEPTEMBER							OCTOBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	
						1							1	
2	3	4	5	6	7	8	7	8	9	10	11	12	13	
9	10	11	12	13	14	15	14	15	16	17	18	19	20	
16	17	18	19	20	21	22	21	22	23	24	25	26	27	
23	24	25	26	27	28	29	28	29	30	31				
30														
NOVEMBER							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	
					1	2	3							1
4	5	6	7	8	9	10	2	3	4	5	6	7	8	
11	12	13	14	15	16	17	9	10	11	12	13	14	15	
18	19	20	21	22	23	24	16	17	18	19	20	21	22	
25	26	27	28	29	30		23	24	25	26	27	28	29	
							30	31						

■ = University Holiday ■ = Closed to the public

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) 885-6373
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).
- 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
- info@ece.uidaho.edu
- Mechanical Engineering
- medept@uidaho.edu
- Civil Engineering
- cee@uidaho.edu
- Computer Science
- csinfo@uidaho.edu
- Computer Engineering
- info@ece.uidaho.edu
- Engineering Management
- denisee@uidaho.edu
- Technology Management
- alicew@uidaho.edu
- Geological Engineering
- cee@uidaho.edu
- Statistical Science
- stat@uidaho.edu
- Teaching Mathematics
- math@uidaho.edu

Non-Degree Coursework

- Professional Development
- STEM Coursework
- Transfer Credits

Focus Areas

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

Academic Certificates

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

eo.uidaho.edu