

| Building | Room | Time | First Name | Last Name | Title |
|----------|--------|-------|------------|------------|---|
| EERB | Atrium | 10:00 | Faiz | Ahmed | Production of Ethylene through the Oxidative Dehydrogenation of Ethane using Carbon Dioxide |
| EERB | 301 | 8:00 | Thamer | Alghamdi | Topwell Petroleum, Cat Canyon Reservoir Characterization and Borehole Design Proect |
| CR | 214 | 11:45 | Yousef | Almalek | Wastewater Reuse Management in Tiruchirappalli, Tamil Nadu India |
| EERB | Atrium | 8:30 | Cody | Anderson | Flash Pyrolysis of Coal in an Atmosphere of Methane |
| CR | 215 | 9:45 | Zach | Andres | Microplastics in Snow and Water: Dryer Vents as a Source of Microplastic Pollution and Using Nile Red to Identify Microplastics in Tap Water |
| CR | 214 | 9:30 | Yara | Anis | The combined wind and ice accretion hazard for Wyoming. |
| EERB | Atrium | 11:15 | Victor | Anthony | I've got 99 problems but BPA ain't one |
| CR | 214 | 9:15 | Andrew | Apodaca | Virtual Reality Takes Over: Assessing the Impacts of VR on Architecture and the AEC Industry |
| CR | 222 | 10:45 | Jaycie | Arndt | Comparing Establishment Methods Among Difficult to Produce Native Plant Materials |
| CR | 215 | 11:15 | Allison | Arp | Understanding iron regulation of Toxoplasma gondii dissemination during acute infection |
| CR | 219 | 8:45 | Carson | Asher | Cardiometabolic Alterations Following Spinal Cord Injury |
| EERB | 228 | 2:40 | Chad | Baker | Formula Hybrid |
| CR | 222 | 11:45 | Nathan | Barrus | Selection of an optimal invertebrate taxon for use as a baseline in stable isotope analyses of stream food webs. |
| CR | 103 | 8:15 | Sean | Batenhorst | WHAT TOPICS SHOULD WE TEACH THE PARENTS OF ADMITTED NEONATES IN THE NEWBORN CARE UNIT IN THE RESOURCE-LIMITED SETTING - A DELPHI CONSENSUS STUDY. |
| CR | 219 | 9:45 | Marten | Baur | Falling and Rolling as a Strategy to Reduce Lower Extremity Landing Forces |
| CR | 215 | 11:45 | Marten | Baur | CWC's Interdisciplinary Climate Change Expedition (ICCE): Measuring Water Quantity and Water Quality in the Dinwoody Cirque |
| CR | 103 | 8:00 | Hannah | Belleau | Guillain'Barre' Syndrome: A Clinical Summary |
| CR | 314 | 11:00 | Connor | Bergman | Wyoming Politics: A Look Into the Effects of Conservative Political Traditions |

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|------|--------|-------|-----------|-------------|--|
| EERB | 228 | 3:40 | Hannah | Bertelson | Multistage Magnetic Coil Gun Project |
| EERB | 228 | 4:40 | Tyler | Bettolo | The Wine Blender |
| CR | 219 | 9:15 | Kyle | Biehl | Evaluation of Role of Uncoupling Protein-1 activation in High Fat Diet-Induced Obesity at Thermoneutrality |
| CR | 141 | 9:30 | Amanda | Biggs | Girl's Night |
| EERB | 228 | 8:00 | Holden | Bindl | Gesture Controlled Robotic Hand |
| CR | 142 | 11:00 | Holden | Bindl | Gesture Controlled Robotic Hand |
| EERB | 255 | 11:15 | John | Birkholz | Wire Rope Sling Assembly Tools |
| EERB | 228 | 8:40 | Philip | Black | MIDI foot pedal controler |
| EERB | 301 | 9:00 | Kaila | Blackeman | EL-V Oil and Gas Ltd, Charlton 30-31 Field Development Project |
| EERB | Atrium | 11:45 | Nick | Blume | Production of Sodium Carbonate and Sodium Bicarbonate from Trona Mine Water |
| EERB | 301 | 10:30 | Jace | Bohmer | Jack Oil/Delaware Basin Frac Optimization Project |
| CR | 221 | 8:00 | Rita | Bove | Dinwoody Ghost Forest: Alpine Paleoeology in the Wind River Mountains. |
| CR | 222 | 9:30 | Tucker | Bower | Identification of Competitive Relationships between Naturally Occurring and Inoculated Microorganisms from Chill Switch Wines |
| EERB | 255 | 3:00 | Jackson | Bower | Granite Tank Level Automation System |
| EERB | 255 | 11:15 | Brittany | Brasfield | Wire Rope Sling Assembly Tools |
| CR | 310 | 9:15 | Lachlan | Brennan | Malaria: A Scientific Review |
| CR | 103 | 11:30 | Reba | Brenner | Probing the Structural Mechanism of BAK Activation in Mitochondrial Apoptosis |
| CR | 118 | 9:00 | Jamie | Bridenstine | Does distance make the heart grow fonder? <small>SEP</small> A look at the impact of long distances on premarital, collegiate relationships. |
| EERB | Atrium | 11:15 | Alexander | Brown | Production of Acetone, Phenol, and Bisphenol-A |
| EERB | 251 | 1:30 | Nathan | Brown | Autonomous Airplane Deicing |
| CR | 215 | 11:00 | Russell | Brubaker | Preliminary Transcriptome Analysis of Adult Culex tarsalis Mosquitoes Collected in Fremont County, Wyoming |
| EERB | 251 | 9:00 | Robert | Bryant | Small Wildlife Tracking Drone |
| EERB | 255 | 10:00 | Brittany | Buckler | Winkelman Winder |
| CR | 141 | 8:15 | Brittney | Buckler | First Grade Lesson Plan Development and Implementation |
| CR | 314 | 11:15 | Remi | Bullock | A Social Work Understanding of American Indian Education in Wyoming |

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|------|--------|-------|----------|----------------|---|
| CR | 214 | 8:15 | Delta | Burchi | Why Can't We Say "No"? |
| EERB | 301 | 10:00 | Sean | Cameron | Hydraulic Fracturing Competitions Optimization in the Montney Formation |
| CR | 209 | 10:30 | Stuart | Cameron | Historic Potentials: The Question of Inevitability and the Second World War |
| CR | 209 | 8:30 | Victoria | Campbell | Second Scottish Referendum |
| EERB | 301 | 10:30 | Diego | Carpintero | Jack Oil/Delaware Basin Frac Optimization Project |
| EERB | 251 | 2:00 | Luke | Case | AirLoom Energy Wing Design |
| CR | 103 | 8:30 | Haley | Cates | Association Between Alzheimer's Disease and Depression |
| CR | 142 | 8:45 | Jacob | Centner | Solaris VR |
| CR | 103 | 8:45 | Shantel | Centner | Intermittent Fasting and Insulin |
| CR | 103 | 9:00 | Hannah | Chapin | Synthesis and Complexation of Novel Dibenzofuran-based Pincer Ligands |
| CR | 214 | 10:45 | Nicolas | Chavez | Affects of adipose PRDM16 ablation in mice |
| EERB | 228 | 9:40 | Rui | Chen | Smart Window Blinds |
| CR | 141 | 8:45 | Jonathan | Chenchar | Post-War American Anxiety in the Fiction of Kurt Vonnegut |
| EERB | 301 | 8:00 | Paco | Chirakorn | Topwell Petroleum, Cat Canyon Reservoir Characterization and Borehole Design |
| CR | 103 | 9:15 | Carolina | Chong Liao | Synthesis of Cellulose by Acetobacter Xylinum: A Comparison of Vegan Leather to Animal and Faux Leather |
| CR | 214 | 9:45 | Amanda | Christensen | Prolactin Stimulates α -Tubulin & Histone H2A Citrullination in Mouse Mammary Epithelial Cells |
| EERB | Atrium | 9:30 | Thomas | Christensen II | Porque Por Qué: Chemicals from Biomass Pyrolysis |
| CR | 142 | 8:00 | Thomas | Christensen II | The ChemE Car that Cud |
| EERB | Atrium | 9:00 | Rob | Cincotta | Multidisciplinary Laboratory Water Loop for the EERB |
| CR | 118 | 8:00 | Adelaide | Clarke | Effects of processing parameters and geometry on the survival rate and shrinkage behavior of 3D printed SiOC polymer-derived ceramics |
| EERB | 255 | 9:30 | Adelaide | Clarke | Tensile Testing Grip for Subscale Specimens |
| CR | 142 | 10:30 | Adelaide | Clarke | Effects of processing parameters and geometry on the survival rate and shrinkage behavior of 3D printed SiOC polymer-derived ceramics |
| CR | 209 | 11:00 | Spencer | Claymon | Robert W. Speer and the Queen City |
| EERB | 228 | 1:20 | Bruce | Coburn | Inclement Weather Detection System |
| EERB | 301 | 11:30 | Brandon | Colledge | Bell Energy Partners, Sisquoc Sands Thermal Optimization |

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|------|--------|-------|----------|-----------|---|
| CR | 222 | 11:15 | Nicole | Collins | Golden-winged Manakin (<i>Masius chrysopterus</i>) Mating Display Behavioral Study |
| CR | 103 | 9:30 | Cally | Collins | Dental Education in Wyoming Schools |
| CR | 215 | 11:00 | Micah | Conner | Preliminary Transcriptome Analysis of Adult <i>Culex tarsalis</i> Mosquitoes Collected in Fremont County, Wyoming |
| EERB | 228 | 3:00 | Braxton | Cooper | Vehicle Occupancy Detection System |
| EERB | 251 | 10:45 | Tim | Corley | LPU Puncture Actuator |
| EERB | 255 | 9:00 | Grady | Craft | Micro-Wind Turbine Generator |
| CR | 142 | 11:30 | Grady | Craft | Micro-wind Turbine from Re-purposed Parts |
| EERB | 228 | 4:20 | Matthew | Cramer | Remote Fire Detector |
| CR | 222 | 8:15 | Madison | Crawford | The effect of bloom density on the abundance of insects captured in pollinator traps |
| EERB | Atrium | 10:00 | Travis | Curry | Production of Ethylene through the Oxidative Dehydrogenation of Ethane using Carbon Dioxide |
| EERB | 255 | 1:30 | Jared | Dean | Design of the Wyoming Motorsports Accumulator |
| CR | 219 | 9:00 | Clara | Delahaye | Engineering Near-Infrared Light-Activated T-regulatory Cells to Achieve Localized Immunosuppression |
| EERB | 255 | 9:00 | Will | Dellva | Micro-Wind Turbine Generator |
| EERB | Atrium | 8:30 | Chris | DeMars | Flash Pyrolysis of Coal in an Atmosphere of Methane |
| EERB | Atrium | 11:45 | Delaney | Dent | Production of Sodium Carbonate and Sodium Bicarbonate from Trona Mine Water |
| CR | 222 | 9:45 | Ella | DeWolf | Melding Wyoming Research Scholars and LAMP teachers to take Science on the Road: The Science Initiative Roadshow brings student-led science and active learning to Wyoming K-12 |
| EERB | Atrium | 9:00 | Max | Dickerman | Multidisciplinary Laboratory Water Loop for the EERB |
| EERB | 228 | 7:40 | G. Dylan | Dickerson | CoDeepNEAT: Automating the Architecture Search |
| EERB | Atrium | 8:00 | Shane | Dilsaver | Crude Unit Fouling Mitigation and Furnace Design |
| EERB | Atrium | 8:00 | Michael | Downey | Crude Unit Fouling Mitigation and Furnace Design |
| CR | 215 | 11:45 | Paul | Duale | Cellular Regulation through Optogenetics: Light Activated Adenylate Cyclase in Mammalian Cells |
| CR | 215 | 11:45 | Amanda | Dyer | CWC's Interdisciplinary Climate Change Expedition (ICCE): Measuring Water Quantity and Water Quality in the Dinwoody Cirque |
| EERB | 228 | 2:20 | Tyler | Eatherly | Drain Drone |

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|------|--------|-------|-----------|-------------|---|
| CR | 103 | 9:45 | Jenni | Ebersberger | Implementing a medical program for Children's Relief International |
| EERB | 301 | 11:00 | McLean | Eddins | Ragtime Resources, Charlton 30/31 Field Development Plan |
| EERB | 255 | 9:30 | Andreas | Eiklund | Tensile Testing Grip for Subscale Specimens |
| CR | 219 | 8:30 | Lauren | Elliott | Characterization of Perceived Muscle Soreness and Prediction of Skeletal Muscle Markers of Damage Following a Bout of High Intensity Exercise |
| EERB | Atrium | 10:45 | Brittany | Endsley | Powder River Polyolefin Plant |
| CR | 215 | 10:30 | Cassidy | Enloe | Cell Printing in Complex Hydrogel Scaffolds |
| EERB | 255 | 9:00 | Skyler | Everitts | Micro-Wind Turbine Generator |
| CR | 209 | 9:45 | Jess | Fahlsing | Laramie 20 Years after the Murder of Matthew Shepard: A Legacy of Compassion, Community, and Hope |
| EERB | 255 | 10:00 | Benjamin | Falk | Winkelman Winder |
| CR | 221 | 8:15 | Sarah | Fanning | Climatic and Paleobotanical Analysis of the Eocene Thermal maximum 2 in the Bighorn Basin, Wyoming, USA |
| EERB | Atrium | 11:15 | Shavinka | Fernando | Production of Acetone, Phenol and BPA |
| EERB | 251 | 8:30 | Cameron | Ferrarini | Autonomous Rocket Recovery System |
| EERB | 251 | 2:00 | Alex | Finnegan | Airloom Energy Wing Design |
| CR | 214 | 9:00 | Abigail | Firme | Electron Spin Resonance of Magnetic 2D Covalent Organic Frameworks |
| EERB | 251 | 2:30 | Sean | Fisher | NFL Pendulum Impact Ram |
| EERB | 301 | 9:30 | Alexandra | Fisher | Powder River Basin Hydraulic Fracturing Optimization |
| CR | 103 | 10:30 | Chris | Folsom | A Pilot Study on Conversational Speech Differences Between Transmen with and Without Hormone Replacement Therapy |
| CR | 310 | 11:00 | Ashley | Foltz | Student Perceptions of the Purpose of First Year Seminars |
| CR | 221 | 8:30 | Logan | Fox | A Geologic Companion to John McPhee's Rising from the Plains |
| CR | 221 | 8:45 | Adam | Frank | The Interdisciplinary Climate Change Expedition (ICCE): Utilizing Ground Penetrating Radar for Subsurface Analyses of the Dinwoody Glacier |
| CR | 314 | 9:15 | Haley | Fried | "A Comparison of the skills required, acquired, and desired from First Year Seminar Courses at the University of the Wyoming" |
| EERB | Atrium | 9:30 | Ashley | Frizzell | Porque Por Qué: Chemicals from Biomass Pyrolysis |
| CR | 219 | 11:00 | Aaron | Gann | The Effect of Mid-Flight External Perturbation on Landing Mechanics |

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|------|--------|-------|---------|-------------|--|
| CR | 215 | 9:30 | Mara | Gans | From Landscape to Lifestyle - Using Land Features and GIS to predict High Elevation Bison Jump sites in the Greater Yellowstone Ecosystem |
| CR | 215 | 11:00 | Serdar | Gaybov | Preliminary Transcriptome Analysis of Adult Culex tarsalis Mosquitoes Collected in Fremount County, Wyoming |
| CR | 221 | 8:45 | Zac | Giffin | The Interdisciplinary Climate Change Expedition (ICCE): Utilizing Ground Penetrating Radar for Subsurface Analyses of the Dinwoody Glacier |
| EERB | 301 | 9:30 | Jesse | Gillenwater | Powder River Basin Hydraulic Fracturing Optimization |
| CR | 222 | 9:15 | Ariel | Gjovig | Characterizing Asialylated GM1 on T cells during acute virulent Toxoplasma gondii infection |
| CR | 141 | 8:00 | Daniel | Good | An exploration of Social Studies Education |
| EERB | 228 | 10:40 | Jon | Gosselin | Ultrasonic Cane |
| EERB | 301 | 10:00 | Ryan | Graff | Hydraulic Fracturing Competions Optimization in the Montney Formation |
| EERB | 255 | 9:30 | David | Gray | Tensile Testing Grip for Subscale Specimens |
| CR | 314 | 10:30 | Sky | Gritten | Copying Human Consciousness to Machines on a Worldwide Scale is Needed Because the Benefits Outweigh the Risks |
| CR | 310 | 11:30 | Alanna | Gudmunson | REPTILE RESIDENTS OF CHUMBE |
| EERB | 255 | 11:15 | Corissa | Guynes | Wire Rope Sling Assembly Tools |
| EERB | 301 | 10:00 | Blake | Gyles | Hydraulic Fracturing Competions Optimization in the Montney Formation |
| EERB | 251 | 3:30 | Alan | Halverson | Improving HVAC Performance for Legacy Molding |
| EERB | 228 | 1:20 | Justin | Hancock | Inclement Weather Detection System |
| CR | 310 | 8:30 | Neta | Hansen | Wyoming Rabies Control |
| EERB | Atrium | 8:30 | Alex | Hardy | Flash Pyrolysis of Coal in an Atmosphere of Methane |
| EERB | Atrium | 10:45 | Seth | Harris | Powder River Polyolefin Plant |
| CR | 215 | 9:00 | Grace | Hartman | Central Wyoming College Interdisciplinary Climate Change Expedition (ICCE): Black Carbon Analysis in the Alpine of the Dinwoody Cirque |
| EERB | 228 | 9:00 | Austin | Harwood | Small Footprint Greenhouse |
| EERB | 228 | 3:00 | Dalton | Hass | Vehicle occupancy sensor - poster, need to confirm his oral presentation |
| EERB | 228 | 3:20 | Allyson | Hays | Motorized Puzzle Interface |
| EERB | 255 | 10:45 | Mark | Hazelett | Film Washout |

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|------|--------|-------|-----------|----------------|--|
| CR | 142 | 8:30 | James | Heaney | Dyckhoff Theorem Prover |
| CR | 118 | 9:45 | Katelyn | Hekkert | Marketing Manhattan: Tourism in New York After the September 11 Attacks |
| CR | 219 | 10:45 | Zoe | Hendricks | The Association between Obesity and ADHD in College Students |
| EERB | 255 | 2:30 | Darby | Herne | Granite Construction Hoist System |
| EERB | 255 | 2:30 | Mac | Hewitt | Granite Construction Hoist System |
| EERB | 255 | 3:00 | Vinchinzo | Hinojos Castle | Granite Tank Level Automation System |
| CR | 142 | 9:30 | Vinchinzo | Hinojos Castle | Granite Tank Level Automation System |
| CR | 222 | 8:00 | Jessica | Hinojosa | College Student Perceptions on Parental Involvement: A Qualitative Study Examining the Transition to College Life |
| CR | 141 | 9:45 | Larissa | Hipp | "Words: How We Enter the World" |
| CR | 221 | 8:30 | Henry | Hoes | A Geologic Companion to John McPhee's Rising from the Plains |
| CR | 310 | 10:30 | Rosemary | Hopson | Neighborhood effects on the frugivory rate of the Hawaiian native plant, <i>Dianella sandwicensis</i> , in a novel ecosystem |
| CR | 118 | 9:30 | Ariel | Horn | Pathways from Prison: Parenting Programs and Sex-Offender Policies |
| EERB | Atrium | 8:00 | Marcus | Hoversland | Crude Unit Fouling Mitigation and Furnace Design |
| EERB | Atrium | 9:00 | Shelbi | Hrkah | Multidisciplinary Laboratory Water Loop for the EERB |
| CR | 215 | 8:30 | Holly | Huber | Neuronal Mechanisms of Decision Making: Investigating the Neural Connections between Sensory and Motor Brain Areas |
| CR | 215 | 10:45 | Jasper | Hunt | Tectal activity underlying phototactic preferences in the <i>Xenopus laevis</i> tadpole |
| CR | 215 | 8:45 | Cheyenne | Hunter | The Effect of High Salinity Irrigation on <i>Cucumis sativus</i> Physiology and the Rhizosphere Microbiome |
| EERB | Atrium | 8:00 | Micah | Iribarren | Crude Fouling Mitigation and Furnace Design |
| EERB | 301 | 9:00 | Dalton | Irwin | EL-V Oil and Gas Ltd, Charlton 30-31 Field Development Project |
| EERB | 251 | 3:00 | Adrun | James | Multidisciplinary Laboratory Water Loop for the EERB |
| EERB | 251 | 9:30 | Chris | Jaworsky | Environmental Sampling Drone |
| CR | 142 | 10:45 | Bryant | Jerome | Properties of Defects in Uranium Mononitride: A DFT+U Study |
| CR | 221 | 8:30 | Jiwei | Kang | A Geologic Companion to John McPhee's Rising from the Plains |

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|------|--------|-------|----------|--------------------|--|
| EERB | 301 | 9:00 | Neeraj | Kataria | EL-V Oil and Gas Ltd, Charlton 30-31 Field Development Project |
| CR | 209 | 8:15 | Erin | Kelley | Fire-Cracked Rocks at Alm Shelter (48BH3457) |
| EERB | 251 | 8:30 | Robert | Kemper | Autonomous Rocket Recovery System |
| CR | 215 | 11:00 | Shaylee | Ketelhut | Preliminary Transcriptome Analysis of Adult Culex tarsalis Mosquitoes Collected in Fremont County, Wyoming |
| EERB | 255 | 10:00 | Joseph | Kindler | Winkelman Winder |
| EERB | 301 | 10:30 | Austin | King | Jack Oil/Delaware Basin Frac Optimization Project |
| EERB | Atrium | 10:00 | Coleton | Kinney | Production of Ethylene through the Oxidative Dehydrogenation of Ethane using Carbon Dioxide |
| EERB | 255 | 9:00 | Andie | Kinney | Micro-Wind Turbine Generator |
| EERB | 301 | 10:30 | Tyler | Kinnon | Jack Oil/Delaware Basin Frac Optimization Project |
| CR | 103 | 10:45 | Kasandra | Kister | Community Gatekeepers Training: An Initiative for Dementia Care |
| EERB | 251 | 9:30 | Joseph | Klebba | Environmental Sampling Drone |
| CR | 118 | 10:00 | Adam | Klessens | Land Cover Analysis of Hybrid Zones of Indigo and Lazuli Buntings |
| EERB | Atrium | 9:30 | Sheridan | Klock | Porque Por Qué: Chemicals from Biomass Pyrolysis |
| EERB | 251 | 3:00 | Taten | Knight | Multidisciplinary Laboratory Water Loop for the EERB |
| CR | 142 | 9:45 | Taten | Knight | Multidisciplinary Laboratory Water Loop for the EERB |
| CR | 118 | 8:45 | Michael | Koger | Twenty-first Century Voting Rights |
| EERB | 301 | 9:30 | Jessica | Koivupalo | Powder River Basin Hydraulic Fracturing Optimization |
| EERB | Atrium | 11:15 | Jake | Koney | Production of Bisphenol-A |
| EERB | Atrium | 8:30 | Justin | Kostelecky | Flash Pyrolysis of Coal in an Atmosphere of Methane |
| CR | 142 | 11:45 | Justin | Kostelecky | Flash Pyrolysis of Coal in an Atmosphere of Methane |
| CR | 314 | 8:30 | Courtney | Kudera | Rolling into Host: A cross-country cycling trip for affordable housing |
| EERB | 251 | 2:30 | Scott | Kuse | NFL Pendulum Impact Ram |
| EERB | 255 | 10:00 | Zach | LaCombe | Winkelman Winder |
| EERB | 228 | 2:00 | Kshama | Lakshmi Ranganatha | Design of High Speed operational Amplifier for Wireless Applications |
| EERB | 228 | 10:20 | Auston | Larson | Streats |
| EERB | 255 | 11:15 | Colter | Larson | Wire Rope Sling Assembly Tools |
| CR | 209 | 8:45 | Alma | Lawson-Garcia | Implicit Bias Jury Instructions |

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|------|--------|-------|-------------|-------------|--|
| EERB | Atrium | 11:45 | Zachary | Legerski | Production of Sodium Carbonate and Sodium Bicarbonate from Trona Mine Water |
| EERB | 251 | 8:30 | Connor | Leyshon | Autonomous Rocket Recovery System |
| CR | 214 | 11:30 | Margaret | Lichtenfels | Biomedical Applications of Liquid Crystalline Elastomers |
| EERB | 255 | 2:00 | Jacob | Link | SAE Formula Hybrid Suspension Design |
| CR | 118 | 9:30 | McKenna | Lipson | Pathways from Prison: Parenting Programs and Sex-Offender Policies |
| CR | 314 | 9:45 | Alexis | Lively | Are Internalizing Symptoms Associated with Criminal Behavior in Married Couples? |
| CR | 209 | 9:00 | BriAnna | Logan | Policing Since Ferguson: How the Shooting of Michael Brown Has Shaped Policing Practices |
| EERB | 228 | 3:00 | Kyler | Lunberg | Vehicle Occupancy Detection System |
| EERB | Atrium | 9:30 | Austin | Lundgren | Porque Por Qué: Chemicals from Biomass Pyrolysis |
| EERB | 228 | 3:40 | Garrett | Lundy | Multistage Magnetic Coil Gun Project |
| EERB | 301 | 11:00 | Tanner | Luthy | Ragtime Resources, Charlton 30/31 Field Development Plan |
| CR | 103 | 11:00 | Bradley | Lutz | Public Perception of PTSD Prevalence in Military Veterans and First Responders |
| EERB | Atrium | 10:45 | Emily | Lynch | Powder River Polyolefin Plant |
| EERB | 301 | 11:00 | Garrett | Lynch | Ragtime Resources, Charlton 30/31 Field Development Plan |
| EERB | 251 | 2:00 | Eric | Magana | Airloom Energy Wing Design |
| EERB | 301 | 9:00 | Samantha | Maitland | EL-V Oil and Gas Ltd, Charlton 30-31 Field Development Project |
| CR | 221 | 8:30 | Louise | Mallon | A Geologic Companion to John McPhee's Rising from the Plains |
| CR | 209 | 9:30 | Alexander | Marchal | Cooperation Behavior and How Parents Decide Whether to Vaccinate Their Child |
| EERB | 251 | 11:15 | Bret | Marin | Safariland Accuracy Analysis for Less Lethal Ballistics |
| CR | 141 | 10:30 | Shannon | Marks | Jazz Poetry and Making Visible the Black American Experience Visible |
| EERB | Atrium | 8:00 | Kaytlin | Marrill | Crude Unit Fouling Mitigation and Furnace Design |
| CR | 221 | 8:30 | Hollis | Marriott | A Geologic Companion to John McPhee's Rising from the Plains |
| CR | 118 | 9:15 | Mariana | Marvel | The Femme Fatale: Duplicity of Seduction and Innocence |
| CR | 214 | 8:45 | Christoffer | Masi | Converting Coal and Plastic to High Value Carbon-related Materials via Metal-Assisted Microwave Treatments |

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|------|--------|-------|-----------|-----------|--|
| EERB | 228 | 9:20 | Caleb | McArthur | Small Wildlife Tracking Drone |
| EERB | 301 | 9:30 | Dean | McClure | Powder River Basin Hydraulic Fracturing Optimization |
| CR | 314 | 11:45 | Brittany | McDonald | Assessing Parent Satisfaction and Child Outcomes: A Qualitative Evaluation of a Community-Based Exercise and Nutrition Program |
| EERB | 301 | 10:00 | Cole | McNamara | Hydraulic Fracturing Competitions Optimization in the Montney Formation |
| CR | 314 | 9:30 | Kathryn | McVicker | Ethical Understandings and Approaches to Autonomous Vehicles |
| EERB | 251 | 8:30 | Kevin | Medders | Autonomous Rocket Recovery System |
| CR | 221 | 8:30 | Patrick | Megown | A Geologic Companion to John McPhee's Rising from the Plains |
| EERB | 301 | 11:30 | Luis | Mena | Bell Energy Partners, Sisquoc Sands Thermal Optimization |
| EERB | 251 | 9:00 | Alec | Mesa | Small Wildlife Tracking Drone |
| CR | 209 | 9:15 | Lauren | Miller | Distributing REDD+ Benefits Among Indigenous and Rural Citizens in the Peruvian and Brazilian Amazons |
| EERB | 228 | 9:40 | Aya Mara | Mistica | Smart Window Blinds |
| EERB | 251 | 3:30 | Andrew | Molder | Improving HVAC Performance for Legacy Molding |
| CR | 215 | 11:00 | Jessilyn | Monahan | Preliminary Transcriptome Analysis of Adult Culex tarsalis Mosquitoes Collected in Fremont County, Wyoming |
| EERB | 301 | 9:30 | Jaden | Montoya | Powder River Basin Hydraulic Fracturing Optimization |
| EERB | Atrium | 9:00 | Aline | Muanza | Multidisciplinary Laboratory Water Loop for the EERB |
| CR | 214 | 8:15 | Tyler | Myers | The Synthesis of Molecular Probes for the Selective Modification of Amino Acid Residues |
| EERB | 301 | 8:00 | Stephen | Nash | Topwell Petroleum, Cat Canyon Reservoir Characterization and Borehole Design Proect |
| EERB | 255 | 3:30 | Alexandra | Neuens | Asphalt Plant Quality Control Sampler |
| EERB | 301 | 8:30 | Bryce | Nicholas | 3D Printing and the Oil and Gas Industry |
| CR | 141 | 8:30 | Alex | Nicholson | Dissin' Franchise: An Exercise in Entertainment Writing |
| EERB | 228 | 7:20 | Jarrett | Nordin | Cluster High Performance Computation |
| EERB | 255 | 1:30 | Andrew | Oiler | Design of the Wyoming Motorsports Accumulator |
| EERB | 251 | 11:15 | Kyle | Okray | Safariland Accuracy Analysis for Less Lethal Ballistics |
| CR | 222 | 9:00 | Jess | Oldham | Understanding Asialylation of GM1 on T cells during avirulent Toxoplasma gondii infection |
| EERB | 301 | 11:30 | Eric | Olsen | Bell Energy Partners, Sisquoc Sands Thermal Optimization |

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|------|--------|-------|---------|----------|---|
| CR | 215 | 11:30 | Reid | Olson | Hybridization in Lake Kivu Cichlids |
| EERB | 228 | 1:40 | Henry | O'Meara | Autonomous Indoor Drone |
| CR | 221 | 8:45 | Tobias | Osborne | The Interdisciplinary Climate Change Expedition (ICCE): Utilizing Ground Penetrating Radar for Subsurface Analyses of the Dinwoody Glacier |
| CR | 214 | 11:00 | Ian | Ostler | The impact of voluntary exercise on cardiac remodeling in young and old mice |
| EERB | 228 | 9:20 | Rick | Pantuso | Small Wildlife Tracking Drone |
| CR | 310 | 9:30 | Zachary | Parsons | Altitudinal variation in flight morphology and kinematics of common-garden reared bumblebees |
| CR | 142 | 8:15 | Rachel | Parziale | Simulating the Short Baseline Array of the ngVLA |
| EERB | 228 | 11:00 | Krunal | Patel | smart home system, signed up for poster need to communicate with him about talk expectation |
| EERB | 228 | 8:20 | Reenu | Paul | Remotely Controlled Robotic Hand |
| EERB | 301 | 11:30 | Leo | Perez | Bell Energy Partners, Sisquoc Sands Thermal Optimization |
| EERB | 251 | 9:30 | Cody | Perkins | Environmental Sampling Drone |
| CR | 142 | 11:15 | Cody | Perkins | Environmental Sampling Drone |
| CR | 215 | 8:30 | Emily | Person | Neuronal Mechanisms of Decision Making: Investigating the Neural Connections between Sensory and Motor Brain Areas |
| CR | 222 | 8:30 | Hannah | Peterson | Development of a diagnostic qPCR assay for Mannheimia haemolytica in Bovine Respiratory Disease |
| EERB | Atrium | 8:30 | Brett | Peterson | Flash Pyrolysis of Coal in an Atmosphere of Methane |
| EERB | 255 | 2:30 | Alex | Powers | Granite Construction Hoist System |
| EERB | 251 | 10:00 | Riley | Quigley | Sinclair Capstone Design Mobile Boiler Project |
| CR | 222 | 9:45 | Brett | Ralston | Melding Wyoming Research Scholars and LAMP teachers to take Science on the Road: The Science Initiative Roadshow brings student-led science and active learning to Wyoming K-12 |
| CR | 310 | 10:45 | Brett | Ralston | Are First Year Seminars Positively Impacting Students Competencies in Critical and Creative Thinking? |
| EERB | 251 | 3:30 | Jackson | Rambough | Improving HVAC Performance for Legacy Molding |
| CR | 118 | 9:30 | Riley | Realing | Pathways from Prison: Parenting Programs and Sex-Offender Policies |
| EERB | 251 | 10:45 | Chris | Redinger | LPU Puncture Actuator |
| CR | 219 | 10:30 | Karissa | Resnik | Lipidomics and Mass Spectrometric Analysis of Lipids |
| EERB | 255 | 3:30 | Jayson | Rezek | Asphalt Plant Quality Control Sampler |

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|------|--------|-------|-----------|---------------|--|
| CR | 214 | 8:00 | Sarah | Rich | CdSe Quantum Dots Doped with Rare-Earth Elements |
| EERB | 251 | 1:30 | Heath | Richards | Autonomous Airplane Deicing |
| CR | 141 | 9:15 | John | Richardson | Analyzing the Effects of Voter Identification Laws |
| EERB | 255 | 2:00 | Brandon | Richardt | SAE Formula Hybrid Suspension Design |
| EERB | Atrium | 10:45 | Caleb | Richmond | Powder River Polyolefin Plant |
| EERB | Atrium | 11:45 | Savanah | Richter | Production of Sodium Carbonate and Sodium Bicarbonate from Trona Mine Water |
| CR | 219 | 10:15 | Savanah | Richter | Synthesis of Hydrogel Microparticles through Microfluidic Devices for use in Drug Delivery |
| EERB | 301 | 11:00 | Noah | Rivera | Ragtime Resources, Charlton 30/31 Field Development Plan |
| CR | 214 | 10:30 | Anthony | Rivers | Living with Plastic |
| CR | 141 | 9:00 | Anna | Rose | Aubade: Beauty, Death, and Jealousy in the Vampire Narrative |
| EERB | 301 | 8:30 | Chelby | Rush | 3D Printing and the Oil and Gas Industry |
| CR | 310 | 11:15 | Dylan | Rust | Telehealth as a Method for Increasing Access to Specialized Medical Care for Wyoming Residents |
| EERB | Atrium | 9:30 | Alexander | Sawaya | Porque Por Qué: Chemicals from Biomass Pyrolysis |
| CR | 219 | 11:15 | Kaylan | Schilling | Understanding Binding Promiscuity in an Intrinsically Disordered Protein |
| EERB | 255 | 3:00 | Benjamin | Schreckengost | Granite Tank Level Automation System |
| EERB | 301 | 8:30 | Dakota | Schroeder | 3D Printing and the Oil and Gas Industry |
| EERB | 255 | 3:00 | Jorden | Schulte | Granite Tank Level Automation System |
| EERB | 255 | 9:00 | William | Schutz | Micro-Wind Turbine Generator |
| CR | 221 | 9:00 | Lucas | Schwandt | ICCE Microbiology: Can Microorganisms Indicate Prehistoric Human Presence or Specific Alpine Activities in the Wind River Mountains? |
| CR | 142 | 9:00 | William | Scougale | Adsorption of Arsenic Oxides by Cupric Oxide Nanowires |
| EERB | 301 | 9:00 | Colton | Seaman | EL-V Oil and Gas Ltd, Charlton 30-31 Field Development Project |
| CR | 214 | 11:45 | Claire | Sebald | Wastewater Reuse Management in Tiruchirappalli, Tamil Nadu India |
| EERB | 251 | 2:00 | Minheok | Seo | Airloom Energy Wing Design |
| CR | 314 | 8:00 | MacKenzie | Sewell | Reserved Inequality: A Study of Inequality on the Wind River Reservation |
| EERB | 251 | 10:00 | Addie | Shafer | Sinclair Capstone Design Mobile Boiler Project |
| CR | 310 | 8:45 | Emily | Shaw | Linear Invariants of Graph Laplacians |

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|------|--------|-------|-------------|-------------|--|
| CR | 314 | 8:15 | Josh | Sheinberg | Regression vs. ANOVA: Which to Choose? |
| EERB | 301 | 8:00 | Noah | Sherlock | Topwell Petroleum, Cat Canyon Reservoir Characterization and Borehole Design Proect |
| EERB | 228 | 1:00 | Kathleen | Shuster | Swimmer Emergency Assistant Device |
| EERB | 301 | 8:30 | Marc Miguel | Siani Siani | 3D Printing and the Oil and Gas Industry |
| EERB | 255 | 10:00 | Vickum | Sidath | Winkelman Winder |
| CR | 141 | 10:45 | Wayne | Sides | Bridging the Gap We Imagined: Deconstructing Human/Non-Human Binaries in Science Fiction Film |
| CR | 314 | 11:30 | Caitlyn | Skavdahl | Land Grabbing in Latin America: How the Rich Become Richer |
| EERB | Atrium | 9:00 | Ashley | Skoog | Multidisciplinary Laboratory Water Loop for the EERB |
| EERB | 255 | 8:30 | Alexander | Skorcuz | Off-Grid DC Renewable Energy Simulator |
| EERB | 255 | 8:30 | Casey | Smith | Off-Grid DC Renewable Energy Simulator |
| CR | 222 | 10:30 | Meagan | Soehn | Validation of a Novel Molecular Assay for Swine Brucellosis |
| CR | 103 | 9:15 | Nikka | Solatorio | Synthesis of Cellulose by Acetobacter Xylinum: A Comparison of Vegan Leather to Animal and Faux Leather |
| EERB | Atrium | 11:45 | Benjamin | Staldine | Production of Sodium Carbonate and Sodium Bicarbonate from Trona mine water |
| EERB | 255 | 1:30 | Justin | Stark | Design of the Wyoming Motorsports Accumulator |
| EERB | 301 | 10:00 | Blake | Stark | Hydraulic Fracturing Competions Optimization in the Montney Formation |
| EERB | 255 | 9:30 | Seth | Stewart | Tensile Testing Grip for Subscale Specimens |
| CR | 310 | 8:15 | Zoe | Stone | The Role of Social Eating in the Relationship between Appearance Orientation and Eating Disorder Related Impairment |
| CR | 209 | 10:45 | Holly | Stooksbury | Damascus 1840 and Anitsematism |
| CR | 221 | 8:45 | Aaron | Strubhar | The Interdisciplinary Climate Change Expedition (ICCE): Utilizing Ground Penetrating Radar for Subsurface Analyses of the Dinwoody Glacier |
| CR | 209 | 8:00 | Mackensie | Swift | The Current and Future Impacts of Wildfire on Sediment Erosion, Hydrology, Vegetation, and Fire Management Strategy in California's Chaparral Environments |
| CR | 222 | 11:30 | Josephine | Tagestad | Individual distinctiveness in vocalizations of a suboscine bird, Ceratopipra mentalis |
| CR | 142 | 9:15 | Ethan | Taylor | Measuring Infrared Emission from InSb Quantum Dots |

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|------|--------|-------|-----------|----------|--|
| CR | 214 | 8:30 | Rachel | Tenney | New approaches to hydrocarbon feedstock conversion: Bifunctional Pd complexes for tunable heterolytic C-H activation |
| EERB | 228 | 9:00 | Elijah | Theander | Small Footprint Greenhouse |
| EERB | 301 | 8:30 | Hairi | Ting | 3D Printing and the Oil and Gas Industry |
| EERB | 255 | 10:45 | Garrick | Tolman | Film Washout |
| EERB | 255 | 8:30 | James | Toomey | Off-Grid DC Renewable Energy Simulator |
| EERB | 228 | 4:00 | Zachary | Tovar | Power System Analysis |
| CR | 118 | 8:15 | Holly | Trujillo | Speech Language Pathologist Comfort Levels Serving Students with Traumatic Brain Injury |
| EERB | 228 | 11:20 | Minh | Tran | IMU posturing |
| EERB | Atrium | 11:15 | Michael | Trbovich | Production of Acetone, Phenol and BPA |
| EERB | 228 | 10:20 | Trevor | Trouchon | Streets |
| EERB | 301 | 8:00 | Kevin | Tuliao | Topwell Petroleum, Cat Canyon Reservoir Characterization and Borehole Design Proect |
| CR | 215 | 9:15 | Tabitha | Tyrrell | CTE and the Accumulation of Tau Protein in the Brains of Bighorn Sheep |
| EERB | 228 | 2:20 | Jedidiah | Vaskis | Drain Drone |
| CR | 310 | 9:00 | Corinne | Vaughan | The Characterization of Bovine Pneumonia Using Bacterial Culture, Immunohistochemistry, and PCR |
| CR | 219 | 9:30 | Alexandra | Verosky | Examining the Role of c-Jun NH2-terminal Kinase in the Regulation of Female Reproduction |
| CR | 118 | 8:30 | Amanda | Vinson | Dancer's perspectives on the impact of injury on their performance ability: multiple case studies analysis |
| EERB | 251 | 10:45 | Amanda | Vinson | LPU Puncture Actuator |
| CR | 310 | 9:45 | Emily | Violini | Genetic Characterization of a Novel Endosymbiont Belonging to Wolbachia in the US Sandfly |
| CR | 221 | 8:30 | Blaire | Voss | A Geologic Companion to John McPhee's Rising from the Plains |
| EERb | 228 | 8:00 | Clint | Walker | Gesture Controlled Robotic Hand |
| EERB | 228 | 11:40 | Leland | Wallace | A (Mostly) Analog Multi-Effects Pedal |
| CR | 219 | 11:30 | Joy | Watkins | Examining Individual Vocalization Signatures in Zebra Finches |
| EERB | 255 | 10:45 | Myranda | Weakland | Film Washout |
| CR | 222 | 11:00 | Nancy | Webb | Herbicide Application for Newly Seeded Desirable Grasses |

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|------|--------|-------|-----------|----------|--|
| CR | 219 | 10:00 | Brittney | Wells | Acute Blood Pressure Response following High Intensity Functional Resistance Training |
| EERB | 228 | 1:40 | Jeffrey | Wen | Autonomous Indoor Drone |
| EERB | 251 | 11:15 | Connor | Wetzel | Safariland Accuracy Analysis for Less Lethal Ballistics |
| CR | 103 | 11:15 | Avery | White | What Changes in Active Prevention Strategies for Obesity in Children and Adolescents Could Help to Decrease the Incidence of Type 2 Diabetes Mellitus? |
| EERB | 228 | 8:40 | Nicholas | Whites | Low Power MIDI Footpedal |
| EERB | 255 | 2:00 | Arthur | Wickberg | SAE Formula Hybrid Suspension Design |
| EERB | 251 | 1:30 | Caleb | Wilkins | Autonomous Airplane Deicing |
| CR | 314 | 9:00 | Jacob | Williams | The economics of player-vs.-player ship combat in EVE online |
| EERB | 228 | 3:40 | David | Wilson | Multistage Magnetic Coil Gun Project |
| CR | 221 | 9:00 | Brayden | Wirick | ICCE Microbiology: Can Microorganisms Indicate Prehistoric Human Presence or Specific Alpine Activities in the Wind River Mountains? |
| EERB | Atrium | 10:45 | Richard | Wise | Powder River Polyolefin Plant |
| CR | 141 | 11:00 | Gabrielle | Wollert | No Words |
| CR | 314 | 8:45 | Emily | Wood | Voluntourism Uncovered: Toward a Standard for Meaningful Work |
| EERB | 251 | 9:30 | Gavin | Worden | Environmental Sampling Drone |
| EERB | 301 | 11:00 | Jean | Yazou | Ragtime Resources, Charlton 30/31 Field Development Plan |
| EERB | 251 | 2:30 | Jason | Young | NFL Pendulum Impact Ram |
| EERB | 251 | 10:00 | Zachary | Zenefski | Sinclair Capstone Design Mobile Boiler Project |