Members in attendance: Elena Pravosudova, David Shintani, Kambiz Raffiee, Elliott Parker, Tom Harrison, Indira Chatterjee, Ivy Chin, Fred Holman, Shanon Taylor, Kara Cleveland for Marsha Read, Mary Hylton, David Ryle, Jane Detweller, Gwen Shonkwiler, Gina Tempel.
Ex-Officio members in attendance: Joe Cline, Katy Schleef, Lance Bowen, Fini Dobyns, Dianne Hilliard, Maureen Cronin, Brady Janes, Russell Stone, Christopher Gomez, Janet Stake.

Approval of minutes: August 19, 2013 – Approved

New members Shanon Taylor and Christopher Gomez were introduced.

Reminder – if you have not already sent in the college and department curriculum committee membership to Janet, please do so as soon as possible. The file for Curriculog will be prepared this week.

As previously announced, programs that are up for review will have to have the student learning outcomes for all of their courses approved as part of the review process. Brady will review these SLOs and work with the departments on preparing them.

A policy for online learning for courses and programs will be forthcoming. Online courses will be held to the same standards and expectations as face-to-face classes. We need to be able to verify the integrity of the exams and make sure the course meets national standards. There will be an Online Quality Assurance person appointed by Fred. Most likely we will have a form and procedure similar to that of our Library Resource Assessment process. We also need to pay close attention to the mode of instruction as this will become more important in the near future.

We will be starting to enforce the Core Completion policy in PeopleSoft. Holds will be placed on students’ accounts. There will be a message posted on the Advisor’s listserv. The core writing and math requirements will be rewritten to allow for efficient reporting, and exceptions will have to be rerouted to the new requirements. Please allow 3-5 days for adjustments.

**PROPOSED CHANGES IN DEGREES, MAJORS, AND COURSES**

<table>
<thead>
<tr>
<th>Grad Council Approval / Core Board</th>
<th>CCN</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHS CHS 450 114424 Prereq change</td>
<td>NA</td>
</tr>
<tr>
<td>Approved OLD PRE/COREQ</td>
<td>NEW PRE/COREQ</td>
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<tr>
<td>BIOL 100; ENG 102; CH 201; junior or senior standing.</td>
<td>BIOL 100 or higher; ENG 102; CHE 201; junior or senior standing.</td>
</tr>
<tr>
<td>DHS GERU Prereq changes Approved with changes: keep standing as part of the prerequisite</td>
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</tr>
<tr>
<td>COURSE OLD PRE/COREQ</td>
<td>NEW PRE/COREQ</td>
</tr>
<tr>
<td>GERO 431 HDFS 201; junior or senior standing.</td>
<td>Junior or senior standing.</td>
</tr>
<tr>
<td>GERO 440 HDFS 201 or PSY 442 or SW 311; junior or senior standing.</td>
<td>Junior or senior standing.</td>
</tr>
<tr>
<td>DHS MR-GERO Approved</td>
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<tr>
<td>Program changes</td>
<td>M410 CR-GERO M455 Program changes</td>
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<tr>
<td></td>
<td>GERO 201 - Topics and Careers in Aging (3 units)</td>
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<td></td>
<td>GERO 337 - Aging: An Interdisciplinary Approach (3 units) OR CHS 337 - Aging: An Interdisciplinary Approach (3 units) OR GERO 431 - Advanced Studies in Human Development and Family: Adult Development and Aging (3 units)</td>
</tr>
<tr>
<td></td>
<td>HDFS 400 - Special Problems (1 to 3 units) Social Aspects of Aging OR HDFS 400 - Special Problems: Family Gerontology (3 units)</td>
</tr>
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<td></td>
<td><strong>PSC 401Q – Generational Politics and Policy</strong> OR <strong>CHS 470 – Introduction to Public Health and Aging</strong></td>
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<td></td>
<td>GERO 442 - Psychology of Aging (3 units) OR PSY 442 - Psychology of Aging (3 units)</td>
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<td></td>
<td>GERO 430 - Aging and Health (3 units) OR NURS 430 - Aging and Health (3 units)</td>
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<tr>
<td></td>
<td>GERO 440 - Perspectives On Aging (3 units) OR GERO 439 - Cross-Cultural Perspectives On Aging and Health (3 units) OR SPA 421 - Communication Problems of the Aged (3 units)</td>
</tr>
</tbody>
</table>

| DHS MED | 661TM Create new course | Approved; needs minor modifications to SLOs ADD: Supplemental Instruction for Clerkship Elective (0 units) Fourth year UNSOM students receive training in instructional methods so they may provide supplemental instruction sessions to third year students who are preparing for their NBME exams. |

Abbrev: Supplemental Instruction &lt;br&gt;Offerings: Every Fall and Spring &lt;br&gt;Transfer agreements: N/A &lt;br&gt;Implementation: SP14 |

| ED ED | ACE 400 100112 Reactivate course; update title for new department name | Tabled Reactivate: Career Development Studio Internship Program (1 to 3 units) Professionally supervised work experience in government or private entity, providing students with practical experiences. Does not substitute for departmental internship requirements. May be repeated for up to 6 credits. Prereq: Approval of Instructor and academic advisor. |

Abbrev: Career Studio Internship &lt;br&gt;Offerings: Every Fall, Spring and Summer &lt;br&gt;Transfer agreements: No changes &lt;br&gt;Implementation: SP14 |
EN  CEE  204R  
101929  
Change course title and description; remove “R”

Approved
OLD: CEE 204R - Introduction to Environmental Engineering
(3 units)
Introduction to the fundamental concepts related to the control of water and air pollution and the treatment of water, wastewater, hazardous wastes and solid wastes.
Prerequisite(s): CHEM 121A and CHEM 121L with a “C” or better or CHEM 201; MATH 182 with a “C” or better; PHYS 180 and PHYS 180L with a “C” or better; and sophomore standing.

NEW: CEE 204 - Natural and Engineered Environmental Systems
(3 units)
Fundamental concepts related to natural and engineered environmental systems for the control of water and air pollution and the treatment of water, wastewater, hazardous wastes and solids wastes.
Prerequisite(s): CHEM 121A and CHEM 121L with a “C” or better or CHEM 201; MATH 182 with a “C” or better; PHYS 180 and PHYS 180L with a “C” or better; and sophomore standing.

Abbrev: Natural and Engineered Systems
Offerings: Every Fall
Transfer agreements: Changes required
Implementation: SP14

EN  CEE  377  
101948  
Change course title and description

Approved
OLD: Construction Materials
(4 units)
Consideration and physical properties of aggregates, Portland cement concrete, asphalt concrete, wood, and metals.
Prerequisite(s): CEE 372 with a “C” or better.

NEW: Construction Materials Engineering and Testing
(4 units)
Engineering and mechanical properties of common civil engineering materials (aggregate, cement, asphalt, wood, metals); Materials testing of components and composites following standard procedures.
Prerequisite(s): CEE 372 with a “C” or better.

Abbrev: Constr Materials Eng & Testing
Offerings: Every Fall and Spring
Transfer agreements: No changes anticipated
Implementation: SP14; Offered scheduled term

EN  CEE  417/617  
101962  
Change course title and description

Approved
OLD: Introduction to Environmental Quality and Analysis
(3 units)
Analytical and physical chemistry and microbiology applied to water quality and hazardous waste control. Laboratory includes gravimetric, electrometric, spectrophotometric, chromatographic and microbiological analyses.
Prerequisite(s): CEE 390 with a “C” or better.
<table>
<thead>
<tr>
<th>EN</th>
<th>CEE</th>
<th>Course Title and Description</th>
<th>Approved</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td><strong>NEW: Quantitative Water Quality Analysis</strong>&lt;br&gt;(3 units)&lt;br&gt;<em>Analytical chemistry and microbiology techniques applied to water quality assessment for environmental engineering practice, including data collection, data analysis and technical presentation.</em>&lt;br&gt;Prerequisite(s): CEE 390 with a “C” or better.</td>
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<td>Abbrev: Quantitative Water Quality&lt;br&gt;Offerings: Every Fall&lt;br&gt;Transfer agreements: No changes anticipated&lt;br&gt;Implementation: SP14</td>
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<td></td>
<td>CEE</td>
<td><strong>OLD: Pavement Design</strong>&lt;br&gt;(3 units)&lt;br&gt;Evaluation of stresses in flexible and rigid pavements, materials characterization, design of flexible and rigid pavements for highways and airports. (Major capstone course.)&lt;br&gt;Prerequisite(s): CEE 377 with a “C” or better; ENGR 301; CH 201; ENG 102; junior or senior standing.</td>
<td>Approved&lt;br&gt;APP – EParker</td>
<td>OK</td>
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<td><strong>NEW: Pavement Analysis and Design</strong>&lt;br&gt;(3 units)&lt;br&gt;<em>Engineering analysis of stresses and strains in typical highway pavement structures due to loading from traffic and climate; characterization of paving materials; structural pavement designs; 3D-Move.</em> (Major capstone course.)&lt;br&gt;Prerequisite(s): CEE 377 with a “C” or better; ENGR 301; CH 201; ENG 102; junior or senior standing.</td>
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<td></td>
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<td>Abbrev: Pavement Analysis and Design&lt;br&gt;Offerings: Every Spring&lt;br&gt;Transfer agreements: No changes anticipated&lt;br&gt;Implementation: SP14 – Offered scheduled term</td>
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<td>CEE</td>
<td><strong>OLD: Design of Wastewater Treatment Facilities</strong>&lt;br&gt;(3 units)&lt;br&gt;Design of treatment facilities and processes used for municipal and industrial wastewater. (Major capstone course.)&lt;br&gt;Prerequisite(s): CEE 364R; ENGR 301; and ENGR 360 or NRES 414.</td>
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<td><strong>NEW: Design of Wastewater Treatment and Reuse Systems</strong>&lt;br&gt;(3 units)&lt;br&gt;<em>Application of environmental engineering principles for the design and/or renovation of wastewater treatment unit processes with a focus on water reuse and reclamation.</em> (Major capstone course.)&lt;br&gt;Prerequisite(s): CEE 364R; ENGR 301; and ENGR 360 or NRES 414.</td>
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<td>Abbrev: Desn WW Treatment &amp; Reuse Syst</td>
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<td>Offerings: Every Spring</td>
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<td>Transfer agreements: No changes anticipated</td>
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<td>Implementation: SP14 – Offered scheduled term</td>
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<td></td>
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<td>Implementation: SP14 – Offered scheduled term</td>
</tr>
</tbody>
</table>

**Approved: CEE 458R/658R - Fundamentals of Environmental Chemistry**

**OLD:**

- **(3 units)**
- An environmental chemistry/engineering approach to equilibrium chemistry, including acid-base chemistry, metal speciation, and reduction-oxidation chemistry, in natural environments and engineered systems.

**NEW:**

- **CEE 458/658 - Environmental Chemistry: Concepts and Design**
  - **(3 units)**
  - An engineering approach to equilibrium chemistry, including acid-based chemistry, metal speciation, and reduction-oxidation chemistry, in natural environments and engineered systems.

| Abbrev: Environmental Chemistry |
| Offerings: Every Spring |
| Transfer agreements: No changes anticipated |
| Implementation: SP14 – Offered scheduled term |

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<th>EN</th>
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<td>Implementation: SP14 – Offered scheduled term</td>
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</tbody>
</table>

**Approved: Geotechnical Earthquake Engineering**

**OLD:**

- **(3 units)**
- Dynamic soil properties, ground response analysis, soil-structure interaction, soil liquefaction, dynamic analysis of earth dams, settlement from earthquakes and dynamic lateral earth pressure.
- Prerequisite(s): CEE 443.

**NEW: Geotechnical Earthquake Engineering**

- **(3 units)**
- Seismic hazard analysis, dynamic soil properties, ground response analysis, soil structure interaction, liquefaction, earth dams, settlement from earthquakes and dynamic lateral earth pressure.
- Prerequisite(s): CEE 443/643 or CEE 445/645.

| Abbrev: Geotech Earthquake Eng |
| Offerings: Other |
| Transfer agreements: N/A |
| Implementation: SP14 – Offered scheduled term |

**Approved: Biomedical Engineering Emphasis**

- This emphasis, administered by the EBME Department, leads to a Bachelor of Science degree in Electrical Engineering. The program is designed for the student seeking a degree in electrical engineering with an emphasis in biomedical engineering. Except for EE 340, the required courses are identical to those for a regular BS in EE degree. Additional required introductory courses are BIOL 190, BIOL 191 and CHEM 220A. The senior year technical electives consist of 13 units.

| Abbrev: Biomedical Engineering Emphasis |
| Offerings: Other |
| Transfer agreements: N/A |
| Implementation: SP14 – Offered scheduled term |

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Technical electives must include
- BCH 400 - Introductory Biochemistry (4 units)
- BME 426 - Biomedical Instrumentation (3 units)
- BME 401 - Introduction to Biomedical Engineering (3 units)

The remaining technical elective credits may include:
- EE 420 - Electronics II (3 units)
- EE 421 - Digital Electronics (3 units)
- EE 426R - Microprocessor Applications (3 units)
- EE 433 - Distributed Systems and Antenna Design (3 units)
- EE 410 - Optical Fiber Communication (3 units) AND
- EE 410L - Optical Fiber Communication Laboratory (1 unit)
- EE 471 - Control Systems II (3 units)
- EE 472 - Digital Control Engineering (3 units)

**EE 480 – Digital Signal Processing**

**EE 492G - Seminar**

- BIOL 405 - Molecular Biology (3 units) (prerequisite BIOL 315R)
- MICR 453 - Immunology (3 units)
- BIOL 315R - Cell Biology (3 units)

Internship

At most, three units of internship may apply here.
- EE 296 - Internship I (1 unit)
- EE 396 - Internship II (1 unit)
- EE 496 - Internship III (1 unit)

Transfer agreements: No changes

Implementation: FL14

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<th>Approved COURSE</th>
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<td>ENGR 660</td>
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Transfer agreements: N/A

Implementation: SP14

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<tr>
<th>ID</th>
<th>ENGR</th>
<th>MR-UAS Create new minor</th>
<th>Approved</th>
<th>Unmanned AutonomousSystems (UAS) Minor</th>
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<tr>
<td>NA</td>
<td>NA</td>
<td>Approved</td>
<td>Unmanned AutonomousSystems (UAS) Minor</td>
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<tr>
<td>NA</td>
<td>NA</td>
<td>Overview</td>
<td>College of Engineering</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>NA</td>
<td>Contact</td>
<td>Dr. Indira Chatterjee, Associate Dean College of Engineering</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>NA</td>
<td>Overview</td>
<td>Unmanned autonomous systems (UAS) are high-tech, intelligent machines capable of traveling by air, land or sea without a human crew on board. Thanks to advanced computing, sensing, and electronic technologies and mechanical design, UAS are versatile machines able to maneuver in diverse – and sometimes dangerous – environments. A UAS could go into the heart of a storm or a spreading wildfire to monitor threats to human lives and property or travel through remote areas to gather environmental data. Other applications of UAS</td>
<td></td>
</tr>
</tbody>
</table>
Emerging UAS technology is affordable, giving small businesses and individuals the opportunity to customize it for a seemingly endless variety of applications. Nevada offers a unique opportunity for both students and industry interested in investing in UAS, with a history of supporting UAS initiatives and a number of civilian and military resources for research and development.

The emerging UAS industry requires highly-educated individuals who understand the fundamental in terms of design, engineering, operations, and interpreting related data. To this end, the objective of the interdisciplinary UAS minor is to provide students with skills and experiences that will help them better apply the knowledge gained in their majors to specialize problems in the field of UAS.

Minor Details
The interdisciplinary program in UAS is open to all students in the Departments of Computer Science and Engineering, Electrical and Biomedical Engineering, and Mechanical Engineering.

Students are required to design a plan of study for this minor (i.e., their selection of courses that satisfy the minor’s requirements) and submit the plan for approval by an advisor from their major program, and the UAS minor program. This plan of study is designed to help ensure that students receive appropriate advising, and therefore must be approved at least two semesters prior to graduation.

The coursework requirements for the UAS minor are as follows:
A minimum of 18 credits of coursework from the list must be completed. Substitutions for courses on this list (example: a similar Special Topics course) must be approved by the director of the UAS minor program. Of the 18 credits, a minimum of 9 credits must be from upper-division courses (300 or 400 level), and approved by the Director of the UAS minor program. At most 9 of the 18 credits can be used toward the student’s major.

Required courses (6 credits, may require completion of prerequisites):
- For CSE/EBME students:
  - ME 242 – Dynamics (3 units)
  - ENGR 360 – Introduction to Fluid Mechanics (3 units)
- For ME students:
  - ME 482 – Aerodynamics (3 units)
  - EE 471 – Control Systems II (3 units) or EE 472 – Digital Control (3 units) or CPE 470 – Autonomous Mobile Robots (3 units)

Select 12 units from the following:
- CS 282 – Simulation Physics
- CS 381 – The Game Development Pipeline
- CS 420 – Human Computer Interaction
- CPE 470 – Autonomous Mobile Robots
- CS 482 – Artificial Intelligence
- ME 241 – Statics
- ME 242 – Dynamics
- ME 310 – System Analysis and Design
- ME 444 – Intermediate Dynamics
- ME 422 – Introduction to Robotics
- ME 482 – Aerodynamics
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Discipline</th>
<th>Credit Units</th>
<th>Title</th>
<th>Prerequisite(s)</th>
<th>Transfer Agreements</th>
<th>Implementation</th>
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<tbody>
<tr>
<td>EE 362</td>
<td>EE</td>
<td>3</td>
<td>Signals and Systems</td>
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<td>EE 370</td>
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<td>3</td>
<td>Control Systems I</td>
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<td>EE 471</td>
<td>EE</td>
<td>3</td>
<td>Control Systems II</td>
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<td>EE 472</td>
<td>EE</td>
<td>3</td>
<td>Digital Control Engineering</td>
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<td>CS/EE/ME 492</td>
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<td>Topics in Autonomous Systems</td>
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Transfer agreements: N/A
Implementation: SP14

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<tr>
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<tr>
<td>EN MSE 465/665</td>
<td>EN MSE</td>
<td>3</td>
<td>Nuclear Power Fundamentals</td>
<td>MATH 181, MSE 232</td>
<td>Changes Required</td>
<td>FL14</td>
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Abbrev: Nuclear Power Fundamentals
Offerings: Every Fall – Even Years

<table>
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<tr>
<th>Course Code</th>
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<th>Credit Units</th>
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<th>Transfer Agreements</th>
<th>Implementation</th>
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<tbody>
<tr>
<td>EN MSE 467/667</td>
<td>EN MSE</td>
<td>3</td>
<td>Radiation Detection and Measurement</td>
<td>MATH 181, MSE 232</td>
<td>Changes Required</td>
<td>SP14</td>
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Abbrev: Radiation Detect & Measure
Offerings: Every Spring – Even Years

<table>
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<tr>
<th>Course Code</th>
<th>Discipline</th>
<th>Credit Units</th>
<th>Title</th>
<th>Prerequisite(s)</th>
<th>Transfer Agreements</th>
<th>Implementation</th>
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<tr>
<td>EN MSE 468/668</td>
<td>EN MSE</td>
<td>3</td>
<td>Nuclear Materials</td>
<td>MSE 250.</td>
<td>Changes required</td>
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Abbrev: Nuclear Materials
Offerings: Every Spring – Odd Years

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<th>Discipline</th>
<th>Credit Units</th>
<th>Title</th>
<th>Prerequisite(s)</th>
<th>Transfer Agreements</th>
<th>Implementation</th>
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<tbody>
<tr>
<td>LBA ENG 737</td>
<td>LBA ENG</td>
<td>1 to 3</td>
<td>College Teaching in Language and Literature</td>
<td>Admission to graduate standing in the department of English</td>
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</table>

**OLD:** Theory and practice in the teaching of English in college, particularly the first-year course. Required of students planning a degree with a teaching specialization. Maximum of 4 credits.
### NEW: Teaching College Composition

(1 to 3 units)
Theory and practice in the teaching of college composition, particularly the first-year course. Maximum of 4 credits.

Abbrev: Teaching College Composition
Offerings: Every Fall
Transfer agreements: N/A
Implementation: SP14; not offered

| LBA | GRI | 257 | Create new course | Approved | ADD: Social Movements of Gender, Race, and Identity | (3 units) | Examines historical and contemporary social movements addressing issues of gender, race, and other social identities, especially in the United States.

Abbrev: Social Movements of GRI
Offerings: Every Spring – Even Years
Transfer agreements: No changes anticipated
Implementation: SP14 |

| LBA | HIST | 215 | Create new course | Approved | ADD: History of Sexuality in the United States | (3 units) | History of sexual identities, practices, and politics in the United States, focusing on the 19th century through present.

Abbrev: History of Sexuality in the US
Offerings: Every Spring
Transfer agreements: No changes anticipated
Implementation: SP14 |

| LBA | PSC | 405H/605H 111811 | Prereq change | Approved with changes | OLD PRE/COREQ | NEW PRE/COREQ | CH 201; CH 202, CH 203; ENG 102; junior or senior standing. | ENG 102; CH 201 or CH 202 or CH 203; junior or senior standing. |

Transfer agreements: No changes
Implementation: SP14; Offered scheduled term |

| LBA | PSY | 479 | 114470 Create new course to be crosslisted with BIOL 479 | Approved | ADD: Techniques in Neuroscience Laboratory | (2 units) | Guided exercises and student-designed projects to provide training in techniques to study neural mechanisms underlying development and behavior.
Prereq: BIOL 475; PSY 403 or PSY 405 or PSY 416. |

Abbrev: Neuroscience Lab
Offerings: Every Spring
Transfer agreements: Changes required |
ITEMS PENDING GRAD COUNCIL – Approved August 27, 2013

**PROPOSED CHANGES**

<table>
<thead>
<tr>
<th>ED</th>
<th>ED</th>
<th>MA-Literacy Studies 1810 Eliminate program</th>
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<tr>
<td></td>
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<td>Master's degrees are available in secondary education and elementary education. Students may choose an emphasis in Curricular Studies; Mathematics, Science, Technology and Society; or an emphasis in another teaching content area.</td>
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<td></td>
<td>M.Ed. or M.A. in Special Education (with various areas of emphasis)</td>
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<td>M.Ed. or M.A. in Literacy Studies</td>
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<td></td>
<td>M.Ed. or M.S. in Equity and Diversity in Education (pedagogy for diverse learners)</td>
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<td>For students who are not licensed Nevada teachers, licensure courses may be taken as part of a master’s degree. Several areas of emphasis are available within each. For students holding a teaching license, it is possible to earn credits toward an endorsement in ESL. In addition, it is also possible, upon admission to a postbaccalaureate licensure program (in elementary, special or secondary education), to concurrently pursue a graduate certificate in Teaching English as a Second Language. See the departments for more information.</td>
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<td>Implementation: FL14</td>
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<thead>
<tr>
<th>ED</th>
<th>ED</th>
<th>M Ed Literacy Studies 4118 Reduce credit hours; program changes</th>
<th>Approved</th>
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<tr>
<td></td>
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<td>I. Program Contact Information</td>
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<tr>
<td></td>
<td></td>
<td>Diane Barone</td>
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<tr>
<td></td>
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<td>Foundation Professor of Literacy Studies</td>
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<td>Editor of the Reading Teaching</td>
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<td>College of Education/299</td>
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<td></td>
<td></td>
<td><a href="mailto:barone@unr.edu">barone@unr.edu</a></td>
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<td></td>
<td>II. Brief Introduction</td>
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<td>The Online Master's Program at the University of Nevada, Reno offers licensed teachers the opportunity to develop advanced knowledge in the area of Literacy Studies. The online Master of Education (M.Ed.) degree is a rigorous academic curriculum intended for the practicing educator. This degree is 32 units for a non-thesis option with a comprehensive exam or 33 units for a thesis option degree. The degree focuses on research-based literacy instruction from the perspective of Multiple Literacies. Literacy in contemporary society is undergoing change as a result of social, cultural, economic, and technological practices and advances. As a result of these changes, literacy encompasses many new ways of reading and writing; literate practices are not limited to print decoding or cognitive strategies used for comprehension or composition. Educators in modern society must attend to the myriad and complex ways that social groups construct and disseminate meanings through new and evolving literate practices. The online master's program places special emphasis on the many literacies used in modern society and assumes a critical perspective about</td>
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<td>Implementation: FL14</td>
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Grad Council Approval / Core Board | CCN
---|---
Approved GC 8/27/13/ Need BOR approval | NA
Approved GC 8/27/13 | NA

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relationships between literacies and empowerment in a multicultural and pluralistic world.

III. Program Objectives/Student Learning Outcomes
The program objectives for the Online Master’s Program are aligned with International Reading Association’s Standards for Reading Professionals. Graduates of the Online Multiple Literacies Master’s program will be able to:
1. demonstrate foundational knowledge of literacy and literacy development,
2. use curricular and instructional knowledge to meet the literacy needs of diverse students,
3. use a variety of assessment tools to determine learning needs and objectives,
4. engage students in literacy practices that develop awareness and respect for differences in our society,
5. apply a multiple literacies perspective and employ multiple literacies tools in literacy instruction and assessment,
6. create a literate environment for students, and
7. value the importance of professional learning and leadership in literacy.

Student learning outcomes include summative assessments for each course which demonstrate learning in one or more of the above objectives. Students complete the comprehensive exam or a Master’s thesis, based on their enrollment in the thesis or non-thesis option, and this final paper demonstrates learning for all of the program objectives.

IV. Admission Requirements
Priority consideration will be given to M.Ed. graduate program applicants who meet the requirements for the graduate degree admission status listed below:
1. Meet the Graduate School admission requirements;
2. Have an overall cumulative GPA of 2.75 or better (on a 4-point scale) or 3.0 for the last half of the undergraduate degree;
3. Submit GRE scores;
4. Submit TOEFL scores (international applicants only);
5. Complete the Graduate School application;
6. Complete the Literacy Studies Program Application, including;
   a. Application form
   b. A signed dispositions statement for the degree sought
   c. confidential letters of recommendation from two persons who can comment on your professional qualifications and /or ability to be successful in graduate work.
   d. a brief (1-2 page) resume and
   e. a brief (1-3 page) typed essay describing your educational philosophy and purpose for pursuing the degree.

V. Program Requirements
Students must enroll in either the thesis option (33 units) or the non-thesis option (32 units) for the M.Ed. degree. For all students, 15 units of core courses are required, and a minimum of 15 units of courses at the 700-level must be taken. In addition to the 15 units of course courses, thesis-option students take an additional 12 units of electives and 6 thesis units (EDS 797). Non-thesis option students take the 15 units of course courses, and additional 15 units of electives, and 2 comprehensive exam units (EDS 795).

a. Required Courses for all students (15 units)
EDUC 770 – Masters Seminar in EDS
EDRS 700 – Research Application in Education
EDRL 600 – Foundations of Literacy
EDRL 700 – Literacy Assessment
EDRL 701 – Field Work and Clinical Practice in Reading

b. Electives Courses (12 – 15 units for thesis and non-thesis options respectively)
EDUC 741a – Advanced Seminar in Literacy: Multiple Literacies
EDUC 741e – Issues in teaching in Diverse Educational Settings: Emerging Issues: Numeracy
EDUC 746 – Literacy for Developing Civic Understanding

**EDUC 771E – Special Topics – Multiple Literacies**
EDUC 771H – Research in Literacy Education: Critical Literacy
EDRL 642 – Literacy Instruction I
EDRL 643 – Literacy Instruction II
EDRL 607 – Book Selection for Children
EDRL 610 – Word Study: Phonics, Spelling, and Vocabulary
EDRL 612 – Teaching Reading to Older Students
EDUC 680 – Multicultural Concerns in Education
EDUC 741A – Issues in teaching in Diverse Educational Settings: Multicultural Education
EDUC 741b – Issues in Teaching in Diverse Educational Settings: Emerging Issues
EDUC 740 – Social Class and Schooling
EDS 747 – Critical Numeracy Across the Curriculum
EDUC 761 – Gender Issues in Education
EDRL 778 – Seminar in Teaching Writing
EDRL 775 – The Psychology of Literacy
EDRL 690 – Teaching Spanish Speakers in American ESL Settings
EDS 748 – Equity and Diversity in Math and Science Education

EDRL 778 – Seminar in Teaching Writing
EDRL 775 – The Psychology of Literacy
EDRL 690 – Teaching Spanish Speakers in American ESL Settings
EDS 748 – Equity and Diversity in Math and Science Education

NOTE: Students usually take EDS 795 with another course to complete the requirement that they take at least 3 units each semester, otherwise, if EDS 795 is taken singly, then you will need to enroll in 3 units, except in the summer when only 2 units are required.

Thesis (6 units) – Required for Thesis students ONLY:
EDS 797 - Thesis

VI. Program Total Hours 32 – 33 units

VII. Undergraduate Prerequisites
There are no specific undergraduate prerequisites, but this program is designed for practicing teachers. Qualified applicants will have a valid teaching license.

Implementation: FL14

Approved GC 8/27/13
NA
II. Brief Introduction
The Master of Science degree (M.S.) in Counseling and Educational Psychology – Information Technology in Education Emphasis provides graduate level training for educators and prospective educators. While the use of information technology in education is the main focus of this degree, course work is offered in two areas: Educational Technology Integration, and Instructional Technology and Design, including theoretical foundations, skill development, and examinations on conceptual frameworks relating to these two areas.

III. Program Objectives/Student Learning Outcomes
Students graduated from this program will be equipped with theories, skills, and experiences in the above two areas, which will be documented in a comprehensive E-portfolio that meets the ISTE-NCATE National Technology Standards for Teachers. Graduates will be able to earn a Technology Education credential to their teaching certificate, obtain a Graduate Instructional Technology Certificate, and be prepared to work as a teacher to teach technology classes in schools, as an instructional designer for schools, universities, other education settings, and educational software companies.

IV. Admission Requirements
It is assumed that a typical student will have a background in education with an interest in the two areas. However, this is not a prerequisite for admission into the information technology in education emphasis. Priority consideration will be given to applicants who meet the admission requirements for the M.S. degree:
1. Meet the Graduate School admission requirements, and complete the graduate School applications,
2. Complete the Application for Admissions to the M.S. Program in Information Technology in Education.
Please contact Dr. Leping Liu at liu@unr.edu for more information.

V. Program Requirements
To complete the M.S. degree, students need to complete 32 units of course work, and complete the program assessment requirements including a comprehensive standardized E-portfolio, and two assessment examinations.

a. Orientation and Assessment (2 units)
   CEP 710 – Independent Study: Program Orientation and Assessment (1 unit)
   Must be taken the first semester of your program.
   CEP 795 – Comprehensive Examination (1 unit)
   Must be taken in the last semester of your program, with the completion of E-portfolio.

b. Required Courses (9 units)
   EDRS 640 – Educational Measurements and Statistics
   EDRS 700 – Introduction to Educational Research
   CEP 705 – Advanced Human Growth and Development OR
   CEP 738 – Learning Theories in Education
c. Concentration Requirements (18 units)
   CEP 610 – Information Technology in Education
   CEP 720 – Instructional Design and Information Technology
   CEP 617 – Field Work and Practicum in Information Technology

   Nine units from the following. Student can talk all 9 units from one area, or a mixed selection of 9 units from both areas.

   AREA I – Educations Technology Integration
   CEP 613 – Computer Telecommunications in Education
   CEP 758 – Multimedia and Presentation Technology in Education
   CEP 611 – Programming Languages in Educational Technology OR
   CEP 612 – Methods of Using Information Technology in Teaching and Learning

   AREA II: Instructional Technology and Design
   CEP 625 – Design of Online Teaching and Learning
   CEP 725 – Assessment in Information Technology
   CEP 686 – Design of Digital Visual Applications for Instruction OR
   CEP 626 – Advanced Web Design in Education

   d. Electives Courses (3 units)
      CEP 685 – Advanced Design of Technology Integration
      CEP 618 – Special Topics of Information Technology in Education (new applications)
      CEP 619 – Independent Study in Information Technology in Education
      CEP 605 – Counseling and Information Technology
      CEP 620 – Career Development and Information Technology
      CEP 790 – Online Seminar
      Additional courses with approval of Program Committee

VI. Program Total Hours (32 units)

VII. Notes
   Students will complete the M.S. degree online, however, professors and the program director will be available for face-to-face meetings to discuss coursework or program issues.

Implementation: FL14

CONSENT AGENDA - (Items on the consent agenda are voted upon as a group. Any member of the committee may request that item(s) be removed from the consent agenda for individual consideration)

PROPOSED CHANGES
<table>
<thead>
<tr>
<th>DHS</th>
<th>MED</th>
<th>MED 623 114439 Component change to facilitate PS scheduling</th>
<th><strong>Approved</strong>&lt;br&gt;NEW: The Practice of Medicine II – Fall (0 units)&lt;br&gt;Add Internship/Practicum component to existing Lecture and Discussion/Recitation components</th>
<th>Implementation: FL13</th>
<th>APP-J Cline</th>
<th>NA</th>
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<tr>
<td>DHS</td>
<td>PHAR</td>
<td>PHAR 770 114448 Component change to facilitate PS scheduling</td>
<td><strong>Approved</strong>&lt;br&gt;NEW: Reproductive Pharmacology&lt;br&gt;Eliminate Discussion/Recitation component</td>
<td>Implementation: FL13</td>
<td>APP-J Cline</td>
<td>NA</td>
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<tr>
<td>EN</td>
<td>CHE</td>
<td>CHE 311 109145 Component change to facilitate PS scheduling</td>
<td><strong>Approved</strong>&lt;br&gt;NEW: Engineering Thermodynamics&lt;br&gt;Add optional Discussion/Recitation component</td>
<td>Implementation: FL13</td>
<td>APP-J Cline</td>
<td>NA</td>
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<tr>
<td>JO</td>
<td>JO</td>
<td>JOUR 460/660 114452 Component change to facilitate PS scheduling</td>
<td><strong>Approved</strong>&lt;br&gt;NEW: News Studio (3+0)&lt;br&gt;Change to Lecture only with optional lab component</td>
<td>Implementation: FL13</td>
<td>APP-J Cline</td>
<td>NA</td>
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<tr>
<td>LBA</td>
<td>ANTH</td>
<td>ANTH 438/638 100469 Component change to facilitate PS scheduling</td>
<td><strong>Approved</strong>&lt;br&gt;NEW: Ethnographic Field Method (4+0)&lt;br&gt;Remove Lab component</td>
<td>Implementation: FL13</td>
<td>APP-J Cline</td>
<td>NA</td>
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<td>SCI</td>
<td>MATH</td>
<td>MATH 126R 108934 Add clarifying statement to description</td>
<td><strong>Approved</strong>&lt;br&gt;OLD: Precalculus I (3 units)&lt;br&gt;Fundamentals of algebra; polynomial, rational, exponential, and logarithmic functions, their graphs, and applications; complex numbers; absolute value and quadratic inequalities; systems of equations, matrices, determinants. (Credit may not be received for MATH 126 if credit has already been awarded for MATH 128 or above).&lt;br&gt;Prerequisite(s): ACT score of 22, SAT score of 500, or MATH 096 with a “C” or above or an “S”. *Credit may not be received for MATH 126 if credit has already been awarded for MATH 128 or above.</td>
<td><strong>NEW: Precalculus I</strong></td>
<td>APP-J Cline</td>
<td>NA</td>
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</table>
(3 units) Fundamentals of algebra; polynomial, rational, exponential, and logarithmic functions, their graphs, and applications; complex numbers; absolute value and quadratic inequalities; systems of equations, matrices, determinants. (Credit may not be received for MATH 126 if credit has already been awarded for MATH 128 or above). (*This course satisfies the University Core Mathematics requirement*).

Prerequisite(s): ACT score of 22, SAT score of 500, or MATH 096 with a “C” or above or an “S”. *Credit may not be received for MATH 126 if credit has already been awarded for MATH 128 or above.*

Implementation: FL13

| SCI | MATH | 127R 108936 Add clarifying statement to description | Approved OLD: Precalculus II | 127R 108936 Add clarifying statement to description | NEW: Precalculus II | Approved OLD: Precalculus II |
| SCI | MINE | MINE 495/695 109888 Component change to facilitate PS scheduling | NEW: Special Problems | Component change to facilitate PS scheduling | NEW: Special Problems | Component change to facilitate PS scheduling |

INFORMATIONAL ITEMS

PROPOSED CHANGES

| ALL | ALL | POLICY | Acknowledged | ALL | ALL | POLICY | Acknowledged |

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Preprofessional students who complete at least 96 credits in residence at the university may transfer a maximum of 32 semester credits of satisfactory course work from an accredited professional school toward a bachelor’s degree. In order to apply the transfer credits, such students must satisfy all department, college and university requirements for graduation.

| EN | CHE | CHE 101R 102326 Deactivate course | Acknowledged DEACTIVATE: Introduction to Chemical Engineering I | APP-J Cline | OK |
| EN | EE | EE 191 104846 Deactivate course | Acknowledged DEACTIVATE: Introduction to Electrical Engineering | APP-J Cline | OK |
| EN | ME | ME 150 109136 Deactivate course | Acknowledged DEACTIVATE: Introduction to Mechanical Engineering | APP-J Cline | OK |
| EN | MSE | MSE 101 109998 Deactivate course | Acknowledged DEACTIVATE: Introduction to Metallurgical Engineering I | APP-J Cline | OK |
| JO | JO | Correct Rec Sched for missing Diversity course | | | NO | NA |
| JO | JOUR | MA-JO | Acknowledged D. Required Courses | | NO | NA |

First Semester (15 units)
- CH 203 - American Experiences and Constitutional Change (3 units)
- JOUR 305 - Media Ethics (3 units)
- JOUR Emphasis course (3 units)
- Minor course (3 units)
- Liberal Arts and Sciences course or General Elective (3 units)

Second Semester (15 units)
- JOUR Emphasis course (3 units)
- JOUR Elective (3 units)
- Minor course (3 units)
- Literature course (3 units)
- Core Curriculum Diversity or General Elective (3 units)

To qualify for the master of arts degree with a major in journalism, a student must satisfy the following academic requirements:
- JOUR 720 - Democracy and Journalism (3 units)
| JOUR 723 - Interactive Publishing (3 units) |
| JOUR 651 - Interactive Media |
| JOUR 607 - Journalistic Writing (3 units) |
| JOUR 796 - Professional Paper (3 units) |
| JOUR 755 - Participatory Journalism (3 units) |
| JOUR 756 - Interactive Narrative Journalism (3 units) |
| JOUR 784 - Environment of the West |
| JOUR 657 - Fundamentals of Exploratory Journalism (2 units) |
| JOUR 695 - Practicum (3 units) |

Electives (9 units)

Note(s):
The nine credits of recommended or other electives are subject to approval by the director of graduate studies, one of which must be at the 700-level, AND Successful completion of a professional project or paper relating to the work of the program’s chosen focus. Oral defense of the professional paper before the student’s graduate advisory committee. Maintenance of a GPA of 3.0 or higher overall. Of the 33 graduate credits required, at least 21 must be in courses numbered 700 or higher. Courses numbered lower than 600 are not counted toward the degree. With the exception of JOUR 695 and JOUR 796, no course may be taken for S/U.

Implementation: FL13

PENDING ITEMS FROM PRIOR MEETINGS - **NONE**

TRANSFER AGREEMENTS

**PROPOSED CHANGES**

| NO | NA |