# ASCRC Minutes 11/10/15

GBB 205, 2:10 p.m.

## Call to Order

Members Present: D. Coffin, I. Crummy, J. Eglin, P. Frazier, E. Engebretson, B. Hillman, A. Lawrence, T. Manuel, E. Uchimoto, M. Semanoff, , G. St. George, G.G. Weix

Ex-Officio Present: B. French, J. Hickman, B. Holzworth

 Members Excused: M. Boller, T. Bundy, N. Lindsay, S. Smith, W. Smith J. Zink

Minutes: The minutes from 11/3/15 were approved.

Business Items

* The Forestry and Biomedical Science Subcommittee Consent Agenda appended was approved. Some of the changes proposed by HHP have current pre-med advisors across campus concerned. The Pre-professional Exercise Science degree has been used to some extent as a pathway to Physical Therapy. The changes seem to imply a transition to pre-med. Medical schools prefer students to have a traditional undergraduate degree, with over half having a degree in Biology. The current program includes a lot of science so could conceivably be an existing alternative major for students applying to medical school. The request to change the option title to Health Science was withdrawn. The subcommittee has scheduled a meeting next Monday with the requester as well as others with concerns.

The concerns with these proposals made it apparent, that although the Administration sees opportunities to expand into areas related to health. There lacks coordination at the curricular level (course transfers). The deans of the various colleges involved in Health Issues – Colleges of Biomedical and Health Science, Education and Human Sciences, and Missoula College are discussing the possibility of creating a common core as a means to recruit more students. After completion of the curriculum review, the subcommittee proposes to establish a workgroup with addition members (Professor Uchimotto and Associate Provost Lindsay to start) to open communication and focus on the curriculum and programs.

Several of the program modifications for Medical Information Technology require signatures from other affected programs. Follow-up is also pending for AHXR, NRSM, PHAR, and WILD courses.
* The Science Subcommittee Consent agenda appended was approved. There was concern that the SCN rubric does not exist on the CCN course guide. There are six courses in this rubric that continue to be offered at UM, but have never been transitioned to CCN. These are interdisciplinary science courses. Associate Provost Lindsay will need to discuss the issue with OCHE.
* The following pending items from the Humanities Subcommittee were approved. Revisions to the European Studies Minor proposal as well as a course form for the required Introduction to European Studies will be submitted prior the end of the semester.

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| **English** |
| [LIT 380 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/851)  | Lit. Approaches to Drama | New course  |
| [LIT 344 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/984)  | Asian American Literature | New course  |

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| **History** |
| [HSTR 358 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/849)  | Russia Since 1881 | Change other: writing designation  |

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| **Mansfield Center** |
| MANS 107 | Elementary Korean I | NEW  |
| MANS 207 | Intermediate Korean I | NEW  |
| MANS 307 | Advanced Korean I | NEW  |
| MANS 108 | Elementary Chinese I | NEW  |
| MANS 208 | Intermediate Chinese I | NEW  |
| MANS 308 | Advanced Chinese I | NEW  |

Program Modifications

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| English  | Reducing credits from 128 to 120 in English Teaching Program |
| NAS | Move courses from electives to core |

* The revisions to the Crosslisting Policy (201.45) were discussed, edited and approved. Hopefully the revisions will resolve some of the confusion and clarify the constraints imposed by common course numbering.

## Adjournment

The meeting was adjourned at 4:00 p.m.

## Forestry and Biomedical Science Consent Agenda

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| **Communicative Sciences & Disorders** |
| [CSD 320 G](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1079)  | Phono Devel & Phonetics | Change prereqs  |
| [CSD 365 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1091)  | Acq. Speech & Lang Dis. | Change prereqs  |

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| **Forest Management** |
| [FORS 349 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/815)  | Practice of Silviculture | Change prereqs  |

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| **Health & Human Performance** |
| [AHAT 305 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/969)  | Techniques Athletic Training | Delete course  |
| [AHAT 322 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/970)  | Assessment of LEXT | Delete course  |
| [AHAT 323 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/971)  | Assessment of LEXT Lab | Delete course  |
| [AHAT 336 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/972)  | Therapeutic Modalities | Delete course  |
| [AHAT 337 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/973)  | Therapeutic Modalities Lab | Delete course  |
| [AHAT 340 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/974)  | Practicum in AT I | Delete course  |
| [AHAT 341 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/975)  | Practicum in AT II | Delete course  |
| [AHAT 411 UG](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/976)  | Practicum: Adv Pract Ath Tr I | Delete course  |
| [AHAT 412 UG](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/977)  | Adv Pract Athl Trng II | Delete course  |
| [AHAT 421 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/978)  | Assmt of Thor and Med in Ath | Delete course  |
| [AHAT 422 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/979)  | Assmt Thor and Med in Ath lab | Delete course  |
| [AHAT 468 UG](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/980)  | Athl Training Org and Admin | Delete course  |

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| **MC: Health Professions** |
| [AHXR 121 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/985)  | Radiographic Imaging I | Change other: scheduling  |
| [AHXR 140 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/986)  | Radiographic Methods | Change credits, description, learning outcome  |
| [AHXR 241 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/987)  | Radiology Lab | Change other: scheduling  |
| [AHXR 225 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/988)  | Radiobiology/Radiation Protctn | Change other: scheduling  |
| [AHXR 221 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/989)  | Radiographic Imaging II | Change other: scheduling  |
| [AHXR 274 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1056)  | Anatomy for CT | New course  |
| [AHXR 275 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1057)  | Physics for CT | New course  |
| [AHMA 262 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1204)  | MA Lab 2 | New Course  |
| [AHMA 260 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1206)  | MA Lab 1 | New Course  |

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| **Pharmacy Practice** |
| [AHHS 389 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/831)  | Rec Adv in Clin Med | Change repeatability  |
| [PHAR 451 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1064)  | Therapeutics I | Change prereqs  |

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| **Society & Conservation** |
| [PTRM 353 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1108)  | Tourism & Sustainability Mountain | Change title  |
| [NRSM 352 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1109)  | Mountain Environment and Dev | Change title  |

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| **Parks, Tourism and Recreation Management** |
| [PTRM 485 UG](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/932)  | Recreation Planning | Change credits  |

## Science and Math Subcommittee Consent Agenda

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| **Chemistry** |
| [CHMY 123 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/915)  | Intro to Organic & Biochem | Change prereqs Allow both CHMY 121N & 141N  |
| CHMY 302 E | Ethics, Literature and Writing in the Sciences | Change course title, change description Old title: Chem Lit. and Science WritingNew title: Ethics and Writing in Science |
| [CHMY 411 UG](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/995) | Advanced Organic Chemistry | New course  |

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| **Computer Science** |
| [CSCI 250 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/843)  | Computer Mdlng/Science Majors | Change description  |
| [CSCI 441 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/844)  | Computer Graphics Programming | Change description  |
| [CSCI 315E U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/891)  | Computers, Ethics, and Society | Change descriptionChange prereqs – WPA dropped |
| [CSCI 232 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/912)  | Data Structures and Algorithms | Change descriptionChange prereqs – Require B- or higher in CSCI 136 (Fund CS II), but M 225 (discrete math) dropped |
| [CSCI 478 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1153)  | Multimedia Data Processing | Delete course  |
| [CSCI 473 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1155)  | Cryptography | Delete course  |
| [CSCI 104 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1157)  | Programming with Alice | Delete course  |
| [CAPP 171 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1158)  | Communicating via Computers | Change to be offered intermittently  |
| [CSCI 192 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1159)  | Independent Study | Delete course (Replaced by research and internship) |
| [CSCI 292 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1160)  | Independent Study | Delete course (Replaced by research and internship) |
| [CSCI 392 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1161)  | Independent Study | Delete course (Replaced by research and internship) |
| [CSCI 492 UG](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1162)  | Independent Study | Delete course (Replaced by research and internship) |

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| **Division of Biological Sciences** |
| [BIOE 448 UG](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/997)  | Terrestrial Plant Ecology | Change prereqs Old prereq - unenforceableNew prereq – BIOB 272N genetics & evolution |
| [BIOB 488 UG](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1102)  | Programming for Biology | New course – no duplication with existing CS courses  |
| [BIOB 160N U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1186)  | Principles of Living Systems | Change credits, description 4-cr lecture-lab course (BIOB 160N) split into 3-cr lecture and 1-cr lab courses  |
| [BIOB 161N U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1187)  | Prncpls of Living Systems Lab | New course  |

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| **Mathematical Sciences** |
| [M 135 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/842)  | Mathematics for K-8 Teachers I | Delete course. M 135-136 sequence replaced by M 132-133-234 sequence approved last year |
| [M 136 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/892)  | Math for K-8 Teachers II | Delete course. M135-136 sequence replaced by M 132-133-234 sequence approved last year |
| [M 263 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/918)  | Applied Differential Equations | Change learning outcome, number, titleBasically to correct CCN conversion error MATH 158 🡪 M 274 🡪 M 263 |
| [STAT 216 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/939)  | Introduction to Statistics | Change prereqs. To reflect M135-136 deletion  |
| [M 231 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/941)  | Topics in Geometry | Delete course  |
| [STAT 421 UG](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1059)  | Probability Theory | Change prereqs. Old prereqs – M 273 and STAT 341New prereq – M 273  |

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| **MC: Applied Computing & Electronics** |
| [DDSN 135 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1087)  | Solidworks | New course offered at other campuses |
| [ROBT 120 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1121)  | Intro to Robotics | New course – New rubric needed\* |
| [ROBT 150 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1123)  | 3D Printing and Solidworks | New course – New rubric needed\* |
| [ROBT 255 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1124)  | Integration of Robotics System | New course – New rubric needed\* |
| [ROBT 299 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1125)  | Robotic System Project | New course – New rubric needed\* |

\*Approval subject to successful creation of a new rubric or new course numbers under existing rubric(s)

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| **MC: Applied Arts and Science - Mathematics & Science** |
| [SCN 260N U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/913)  | The Biology of Behavior | Change prereqs Old prereq. – SCN 100NNew prereq – BIOB 101NSCN not available at OCHE |

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| **Physics and Astronomy** |
| [PHSX 451 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/806)  | Elem. Particle Physics | New course: Offered once experimentally |
| [EGEN 201 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/962)  | Engineering Statics | New course to strengthen pre-engineering program |
| [EGEN 202 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/962) | Engineering Dynamics | New course to strengthen pre-engineering program |
| [EGEN 335 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1071) | Fluid Mechanics | New course to strengthen pre-engineering program  |
| [EELE 201 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1071) | Circuits I | New course to strengthen pre-engineering program |
| [EELE 203 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1088) | Circuits II | New course to strengthen pre-engineering program |
| [PHSX 102 U](https://www.umt.edu/winapps/adminfin/eCurr/CourseForm/Index/1104) | Preparation for Physics | New course: Offered three times experimentally |

### Program modifications

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| **Applied Computing & Engineering Technology - IT Network Administration and Security AAS** | Revise requirements (originally submitted on a level I )ITS 255 IP Telephony (3 credits) replaced by one 4-credit ITS chosen from a list |
| **Applied Computing & Engineering Technology- Cybersecurity Certificate** | update program (originally submitted on a level I)16 credits 🡪 28 credits, better articulation of prereq courses |
| **Applied Computing and Engineering Technology - Energy Technology Certificate** | Revise course requirements30 credits 🡪 34 credits |
| **Applied Computing and Engineering Technology/ Energy Technology** | Modifications to required courses69 credits🡪 63 credits |
| ACET | Request ROBT rubric for Robotics courses in new option |
| **Chemistry** | BCH 110 and BCH 111 will replace BIOB 160 for the forensic, environmental and Pharmacological Chemistry options  |
| **Computer Science** | Drop math requirement from CS minor Math prereqs for some courses, however |
| **Computer Science** | Minor changes to CS majorAllow CSCI 250 in place of CSCI 135Raise the cap on internship credits from 3 to 6 credits |
| **DBS / Genetics & Evolution option** | Require new course - BIOB 488 Programming for Biology |
| **Mathematical Sciences** | Change in courses required for Statistics Option |
| **Mathematical Sciences** | Allow STAT 341 or STAT 451 for Teaching Minor in Mathematics |
| **Mathematical Sciences** | Change in courses work for Applied Mathematics Option.  |
| **Physics and Astronomy** | Remove M 325 as a requirement in the Computational Physics Option |

### Level I’s

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| ACET | **Computer Support CAS** retitled from Computer Support Specialist |
| ACET | **Cybersecurity cert** retitled from Network and Information Security |
| ACET | **Electronics Tech CAS** onlineEffectiveness of online hands-on electronics lab courses more than adequately addressed. Also on-site intensive real lab component. |
| ACET | **Programming and App Development option**  retitled from Information Systems Management, IT AAS |
| Computer Science | **Create certificate in computer programming**(9 credits of required courses, 3 credits of an elective course) |
| Computer Science | **Create certificate in Bioinformatics**(6 credits of required courses, 6 credits of elective courses) |
| DBS | **Medical Laboratory Science** retitled from Medical Technology |

### Level II’s

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| ACET | **Add Robotics option to Electronics Tech AAS**  Requires five new courses. The total number of credits reduced from 68 to 65. |
| DBS | **Change Biology BA to BS for five options** (Cellular & Molecular Biology, Ecology & Organismal Biology, Genetics & Evolution, Field Ecology, and Human Biological Sciences)  |

# Procedure Crosslisting

Procedure Number: 201.45
Date Adopted: 11/26/85
Last Revision: 11/10/15

Approved by: Faculty Senate

A cross listed course must have a primary course and a secondary course. Only the primary course can appear in the Office of the Commissioner of Higher Education’s (OCHE) Common Course Numbering (CCN) Course Guide. The secondary course cannot appear in the CCN Course Guide. Only the primary CCN course rubric and number will show on the student’s transcript.

Cross listing is no longer used as the primary means to advertise courses in a department different from the instructor; rather programs should list courses in other rubrics as accepted requirements or electives.

New rubrics may not be created solely for the purpose of crosslisting. Duplicate rubrics such as LIT and ENLT for example in the course schedule might distract and confuse students. Current students are not familiar with the rubrics used prior to common course numbering.

The rubric for the secondary course cannot appear in OCHE’s CCN course guide.

To qualify for consideration for cross listing, a course must:

* be requested by both departments or programs;
* count as credit toward an existing major, minor, or certificate program;
* not be experimental or have a reserved variable content course number (x90-X99)
* must carry the same title and course description for both parent and sibling courses and, if possible, carry the same course number;
* be implemented within comparable course levels, e.g., both must be (U), or both (UG), or both (G);
* contain the phrase “same as” the cross listed course, e.g., “same as CCS 445;”
* be offered under an existing rubric.

A course may have three cross listings only under extenuating circumstances. Under no circumstances will a course have more than three cross listings.

**Rationale:**

~~Cross listing serves UM students by providing easy access to a wide range of courses.~~ Crosslisting fosters the University’s commitment to interdisciplinary education and enhances small programs by promoting their classes. However, it is expensive to maintain. Thus, departments requesting courses to be cross listed must provide a justification that addresses the following:

* External requirements that justify the cross listing and provide documentation.
* Explains how cross-listing is the most effective method to offer this academic content.
* ~~Identify how both the primary and secondary units contribute to the cross-listed course’s content and how cross listing~~ Contributes to the collaboration between respective units’ ~~missions of serving students.~~
* ~~Identify~~ ~~additional reasons for cross listing such as a specialized need for advertising to prospective students, shared resources across departments (equipment, space, instructors, etc.), or mutual contribution to course content~~.