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Academic Affairs Committee Minutes

Faculty Senate

3-17-2011

March 2011 Academic Affairs Minutes

University of Nebraska at Kearney Academic Affairs Committee

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Faculty Senate Academic Affairs Committee

Minutes

Thursday, March 17, 2011

Calvin T. Ryan Library Conference Room

Present: Roger Davis, Kim Elliott, Kim Schipporeit, Martha Kruse, Janet Lear, Sylvia Asay, Derrick Burbul, Janice Fronczak, George Lawson, Danielle Neal

Guests: Greg Broekemier and Steven Schulz-Mktg/Mgmt

1. #113, 114, 115: Marketing Course and Programs.
Broekemier and Shulz answered a few questions. From discussion no issues. Lawson/Lear move approval.
Motion to approve passed.
2. #176: Alteration Physics BS:
Reviewed and no issues or concerns.
Lear/Lawson move to approve.
Motion to approve passed.
3. #175 and #177: Alteration Physics Programs BA and Comprehensive.
The committee had concerns that the revised math requirements would increase the major for the BA to 38 hours, over the 36 hour limit for a major, and the comprehensive would go to 65 hours which is over the 62 hour limit.
Department Chair Ken Trantham will be invited to meet with committee to review rationale for request to exceed limits.
4. #107 through #112; #116 through #155, and #157 through #174.
No issues on rest of agenda items.
Lawson/Lear moved approval of all.
Motion to approve passed.
5. Upcoming Academic Affairs Meeting:
Academic Affairs sub-committee meeting will be Wed. April 13 in the Academic Affairs Conference Room, FDHL.
Full AA meeting will be Thursday, April 21 at 3:30pm in NU 310.

Committee adjourned at 4:15pm
respectfully submitted,

Roger Davis, Secretary

Academic Affairs Full Committee 3/17/2011 3:30, NSU #310

NUMBER, REQUEST, LEVEL, SPECIFIC REQUEST, DEGREE/COURSE, PROGRAM/COURSE, TITLE, DEPT, COL, REASON

#107, Create, Course, ECON 388, General Studies Capstone (The Morality of Capitalism), ECON, B&T, To create a General Studies Capstone course for the Economics Department.

#108, Alter, Course, Credit Hours, Grading Type, and Course Description, ITEC 116, Introduction to Construction Management, ITEC, B&T, This change is requested because the CM program has expanded from a residential construction program to a program that represents all sectors of the construction industry. The credit hours are being changed because one credit is not adequate time to cover the additional material being presented in the new course. The grading scheme is being changed to hold students more accountable and better monitor student performance. Credit hours from 1 to 2. Grading type from credit/no credit to standard letter grade.

#109, Alter, Course, Prerequisite, ITEC 377, Professional Flight 5, ITEC, B&T, The multi-engine rating is now being accomplished at the Private Pilot certification level. Previously it was added to the Commercial Pilot certificate. The scope and detail of the training is the same, it just accomplished earlier in the program thus the prerequisite change. Changing from prerequisite of [ITEC 376 or permission] to prerequisite of [ITEC 172 or permission].

#110 Alter, Course, Prerequisite, ITEC 380, Professional Flight 8, ITEC, B&T, The FAA allows a student to attain the three flight instructor ratings in any order. Traditionally the rating associated with ITEC 378 is accomplished first, however, due to the change in aircraft fleet, this is now impossible so we are conducting the training for ITEC 380 first. To summarize, this change allows us to make more efficient use of the training fleet. Changing from prerequisite of [ITEC 377 or permission] to prerequisite of [ITEC 376 and ITEC 377 or permission].

#111, Alter, Course, Prerequisite, Advanced Aerodynamics/Aircraft Performance, ITEC 416, ITEC, B&T, ITEC 375 has been revised such that the material covered does not relate substantially to ITEC 416. Changing from prerequisite of [ITEC 375, PHYS 205 OR permission] to prerequisite of [PHYS 205 or permission].

#112, Alter, Program, B.S., Aviation Systems Management Comprehensive Bachelor of Science, ITEC, B&T, The Aviation Systems Management major is being revised to best meet new FAA regulations and the new FAA 141 UNK flight program.

#113, Create, Course, MKT 476, Supply Chain Management Internship, MKT, B&T, Creating internship for proposed Supply Chain Management Program. Instructor will have to be either AQ or PQ (AACSB designations) for accreditation purposes.

#114, Create, Program, B.S., Business Administration Comprehensive Supply Chain Management Emphasis, MKT, B&T, This program is being created to provide the students with academic training to enable them to compete for employment in the expanding supply chain management field. The program is also being developed in response to requests from area business leaders.

#115, Create, Program, Minor, Supply Chain Management Minor, MKT, B&T, This program is being created to provide the students with academic training to enable them to compete for employment in the expanding supply chain management field. The program is also being developed in response to requests from area business leaders.

#116, Create, Course, MLSC 202L, Leadership Laboratory IV, MLSC, B&T, Reason for the addition of this course is for audit purposes of the program. Each class (lecture) is required to have a leadership laboratory assigned to it. This will continue the development of what is taught in MLSC 202 -Leadership and Teamwork lecture course.

#117, Alter, Course, Credit Hours, MLSC 301, Leadership and Problem Solving, MLSC, B&T, Changing Credit Hour information to meet audit purposes of the program. Each class (lecture) is required to have a leadership laboratory assigned to it. This will continue the development of what is taught in MLSC 301L – Leadership Laboratory V, which will be 1 credit. Credit hours from 3 to 2.

#118, Create, Course, MLSC 301L, Leadership, Laboratory V, MLSC, B&T, Reason for the addition of this course is for audit purposes of the program. Each class (lecture) is required to have a leadership laboratory assigned to it. This will continue the development of what is taught in MLSC 301 – Leadership and Problem Solving lecture course.

#119, Alter, Course, Credit Hours, MLSC 302, Leadership and Ethics, MLSC, B&T, Changing Credit Hour information to meet audit purposes of the program. Each class (lecture) is required to have a leadership laboratory assigned to it. This will continue the development of what is taught in MLSC 302L – Leadership Laboratory VI, which will be one credit. Credit hours from 3 to 2.

#120, Create, Course, MLSC 302L, Leadership Laboratory VI, MLSC, B&T, Reason for the addition of this course is for audit purposes of the program. Each class (lecture) is required to have a leadership laboratory assigned to it. This will continue the development of what is taught in MLSC 302 – Leadership and Ethics lecture course.

#121, Alter, Course, Inactivate, MLSC 303, Officer Candidate School – Phase I, MLSC, B&T, Inactivating. Course not a part of the Military Science program at this time.

#122, Alter, Course, Credit Hours, MLSC 401, Developing Adaptive Leaders, MLSC, B&T, Changing Credit Hour information to meet audit purposes of the program. Each class (lecture) is required to have a leadership laboratory assigned to it. This will continue the development of what is taught in MLSC 401L – Leadership Laboratory VII, which will be one credit. Credit hours from 3 to 2

#123, Create, Course, MLSC 401L, Leadership Laboratory VII, MLSC, B&T, Reason for the addition of this course is for audit purposes of the program. Each class (lecture) is required to have a leadership laboratory assigned to it. This will continue the development of what is taught in MLSC 401 – Developing Adaptive Leaders lecture course.

#124, Alter, Course, Credit Hours, MLSC 402, Leadership in a Complex World, MLSC, B&T, Changing Credit Hour information to meet audit purposes of the program. Each class (lecture) is required to have a leadership laboratory assigned to it. This will continue the development of what is taught in MLSC 402L – Leadership Laboratory VIII, which will be one credit. Credit hours from 3 to 2.

#125, Create, Course, MLSC 402L, Leadership Laboratory VIII, MLSC, B&T, Reason for the addition of this course is for audit purposes of the program. Each class (lecture) is required to have a leadership laboratory assigned to it. This will continue the development of what is taught in MLSC 402 – Leadership in a Complex World lecture course.

#126, Alter, Course, Inactivate, MLSC 405, Officer Candidate School – Phase 3, MLSC, B&T, Inactivating. Course not a part of the Military Science program at this time.

#127, Alter, Program, Minor, Military Science Minor, MLSC, B&T, Making alterations for the Military Science Minor to meet new lecture and lab structure. Adding new laboratory and alternating existing lecture course credit. No change to overall minor minimum hours required for minor.

#128, Alter, Programs, BAEd/BSEd, Required General Studies Courses for Middle Grades, Secondary & K-12 Education Majors Teacher Education Endorsements, EDU, The implementation of the new General Studies Program has required that the College of Education's General Studies requirements for education majors across campus be reviewed for alignment with the new GS program and for continued alignment with both NCATE and the Nebraska Department of Education as they move to more closely align Nebraska standards for new teachers with InTASC standards for educators. Consequently, revisions have been developed. The revisions are intended to be less restrictive than the current requirements for all education majors thus providing more flexibility for individual endorsement programs in defining their own GS Program requirements, while also meeting NDE and NCATE standards.

The Subject Endorsements that are included in this change are:

- Basic Business 7-12
- Biology 7-12
- Chemistry 7-12
- English 7-12
- English as a Second Language K-12
- French 7-12
- Geography 7-12
- German 7-12
- Health 7-12
- History 7-12
- Mathematics 7-12
- Physical Education K-6
- Physical Education 7-12
- Physics 7-12
- Political Science 7-12
- Psychology 7-12
- Sociology 7-12
- Spanish 7-12
- Speech Communication 7-12
- Theater 7-12

The Field Endorsements that are included in this change are:

- Art K-12
- Vocational Business Education 7-12
- Communication Disorders 0-12 (5 ½ year program)
- Health and Physical Education K-12
- Language Arts 7-12
- Mathematics 7-12
- Middle Grades 4-9
- Mild Moderate Disabilities K-6
- Mild Moderate Disabilities 7-12
- Music K-12
- Physical Science 7-12
- Social Science 7-12

#129, Alter, Programs, BAEd, Required General Studies Courses for Elementary Education K-6; Early Childhood Unified Birth-3; Mild Moderate Disabilities K-6, EDU, The implementation of the new General Studies Program has required that the College of Education's General Studies requirements for education majors across campus be reviewed for alignment with the new GS program and for continued alignment with both NCATE and the Nebraska Department of Education as they move to more closely align Nebraska standards for new teachers with InTASC standards for educators. Consequently, revisions have been developed. The revisions are intended to be less restrictive than the current requirements for all education majors thus providing more flexibility for individual endorsement programs in defining their own GS Program requirements, while also meeting NDE and NCATE standards.

The Field Endorsements that are included in this change are:

- Elementary Education K-6
- Early Childhood Unified Birth-3
- Mild Moderate Disabilities K-6

#130, Create, Course, PE 388, General Studies Capstone (The Science of Play), PE, EDU, Creating a general studies capstone course to fit in with the new general studies program guidelines.

#131, Alter, Course, Prerequisite, TE 204, Typical/Atypical Growth and Development, TE, EDU, The proposed change is to make TE 100 a prerequisite for enrollment in TE 204. The rationale for making this change is to insure that students are fully prepared for the TE 204 curriculum. Changing from no prerequisite to a prerequisite sophomore standing or above.

#132, Alter, Course, Prerequisite, TE 311, Math Methods I, TE, EDU, Changing the prerequisite to successful completion of TE 204 will enhance student preparedness for TE 311. Changing from prerequisite of TE 100 to prerequisite of TE 204.

#133, Alter, Course, Prerequisite, TE 314, Phonics and Word Study, TE, EDU, The lesson planning format taught in TE 318 is essential preparedness for TE 314. Changing from prerequisite of [admission to Teacher Education] to prerequisite of [TE 318 or TE 319 AND admission to Teacher Education].

#134, Alter, Course, Prerequisite, TE 318, Management and Assessment in Preschool/Elementary Classrooms, TE, EDU, Changing the prerequisites to Concurrent or Previous Enrollment in TE 204 will enhance student preparedness for TE 318. Changing from prerequisite of [TE 100] to prerequisite of [Concurrent or previous enrollment in TE 204].

#135, Alter, Course, Prerequisite, TE 323, Partnerships with Families, TE, EDU, Concurrent or previous enrollment in TE 204 will enhance student preparedness for TE 323. Changing from prerequisite of [TE 100] to prerequisite of [Concurrent or previous enrollment in TE 204].

#136, Alter, Course, Prerequisite, TE 327, Introduction to Language Minority Students, TE, EDU, Changing the prerequisite for TE 327 will increase scheduling flexibility for students. Changing from prerequisite of TE 204 to prerequisite of TE 100.

#137, Alter, Course, Prerequisite, TE 328, Content Methods in English as a Second Language, TE, EDU, Changing the prerequisite to TE 100 will enhance students' scheduling flexibility. Changing from prerequisite of TE 204 to prerequisite of TE 100.

#138, Alter, Course, Prerequisite, TE 329, Educational Assessment of ESL Students, TE, EDU, Changing the Prerequisite for TE 329 to TE 100 will enhance students' scheduling flexibility. Changing from prerequisite of TE 204 to prerequisite of TE 100.

#139, Alter, Course, Prerequisite, TE 342, Literacy Methods for the Preschool Teacher, TE, EDU, Changing the prerequisite to TE 100 Or FSID 250 or FSID 253 will increase scheduling flexibility for students. Changing from prerequisite of [TE 204 or FSID 250 or FSID 253] to prerequisite of [TE 100 or FSID 250 or FSID 253].

#140, Alter, Course, Prerequisite, TE 411, Inclusive Practices for Students with Exceptionalities in PreK-8 Classrooms, TE, EDU, TE 411 is a senior-level course, intended to be taken close to Student Teaching. The proposed prerequisite course is a 300-level class, replacing the TE 204 (sophomore-level) course prerequisite. Changing from prerequisite of [TE 204, admission to Teacher Education] to prerequisite of [TE 311, admission to Teacher Education].

#141, Alter, Course, Prerequisite, TESE 461, Legal Issues in Special Education, TE, EDU, We propose a slight revision of the prerequisite, so as to accommodate student scheduling with the fall only course. Students shall have previously completed TE 204 or may be currently enrolled in TE 204. Changing from prerequisite of [TE 204] to prerequisite of [TE 204 or concurrent enrollment in TE 204].

#142, Alter, Course, Prerequisite, TESE 462, Assessment and Program Planning in Special Education, TE, EDU, Due to scheduling patterns, dropping the TESE 461 prerequisite and keeping the "Admission to Teacher Education" will be more accommodating for students. There is no longer a need to have the SPED courses

sequenced, as done in the past. Changing from prerequisite of [TESE 461, admission to Teacher Education] to prerequisite of [admission to Teacher Education].

#143, Alter, Course, Prerequisite, TESE 463, Instructional Strategies for Individuals with Disabilities, TE, EDU, Due to scheduling patterns, dropping the TESE 462 prerequisite and replacing with "Admission to Teacher Education" will be more accommodating for students. Changing from prerequisite of [TESE 462] to prerequisite of [Admission to Teacher Education].

#144, Alter, Course, Prerequisite, TESE 467, Behavioral Interventions for Individuals with Disabilities, TE, EDU, Due to scheduling patterns, dropping the TESE 462 prerequisite and replacing with "Admission to Teacher Education" will be more accommodating for students. Changing from prerequisite of [TESE 462] to prerequisite of [Admission to Teacher Education].

#145, Alter, Course, Prerequisite, TESE 468, Assistive Technology Interventions, TE, EDU, Due to scheduling patterns, dropping the TESE 462 prerequisite and replacing with "Admission to Teacher Education" will be more accommodating for students. Changing from prerequisite of [TESE 462] to prerequisite of [Admission to Teacher Education].

#146, Alter, Course, Prerequisite, TESE 475, Curriculum Content for Secondary Students with Disabilities, TE, EDU, Due to scheduling patterns, dropping the TESE 462 prerequisite and replacing with "Admission to Teacher Education" will be more accommodating for students. Changing from prerequisite of [TESE 462] to prerequisite of [Admission to Teacher Education].

#147, Alter, Course, Number and Title, ART 235, Printmaking I, ART, FAH, The change of name and number for the Art 235 is necessary in order to differentiate between the existing Printmaking I (Art 235) course and the new printmaking course we are planning to introduce. The existing Printmaking I (Art 235) course is dedicated to the printmaking techniques of intaglio (including etching, engraving, dry point, aquatint, mezzotint), relief (linocut and woodcut), and monoprint. The new course will be focusing solely on the technique of silkscreen. Silkscreen cannot be taught in depth within the context of the existing Printmaking I class, since it requires a very different studio set up. The new course is not designed to replace the existing ART 235 course, but will be offered as an alternative to it on the alternate semesters. The old (intaglio/relief) printmaking course will be changed from Art 235 to Art 235A, while the new (silkscreen) course will be designated Art 235B. The change of name and number for the Art 235 is necessary in order to differentiate between the existing Printmaking I (Art 235) course and the new printmaking course we are planning to introduce. The existing Printmaking I (Art 235) course is dedicated to the printmaking techniques of intaglio (including etching, engraving, dry point, aquatint, mezzotint), relief (linocut and woodcut), and monoprint. The new course will be focusing solely on the technique of silkscreen. Silkscreen cannot be taught in depth within the context of the existing Printmaking I class, since it requires a very different studio set up. The new course is not designed to replace the existing ART 235 course, but will be offered as an alternative to it on the alternate semesters. The old (intaglio/relief) printmaking course will be changed from Art 235 to Art 235A, while the new (silkscreen) course will be designated Art 235B. New Number: ART 235A. New Title: Printmaking I – Intaglio and Relief.

#148, Create, Course, ART 235B, Printmaking I – Silkscreen, ART, FAH, Silkscreen is a very popular printmaking medium, used by the visual communicators for poster designs, as well as by the studio artists in their studio practices. The knowledge of the technique will be very advantageous for the students in both graphic design and studio areas. It will also be useful to the ArtEd majors, since it is a non-toxic technique and may be easily introduced into a high school classroom. Silkscreen cannot be taught in depth within the context of the existing Printmaking I (Art 235) class. The existing Printmaking I (Art 235) course is dedicated to the printmaking techniques of intaglio (including etching, engraving, dry point, aquatint, mezzotint), relief (linocut and woodcut), and monoprint, and requires a very different studio set up. Many silkscreen processes will interfere with the intaglio processes and will compete with other techniques for the same space. The introduction of silkscreen as an entirely separate course, will allow the instructor to set up the studio at the start of the semester to accommodate the needs of the technique. The new course will be focusing solely on the technique of silkscreen.

#149, Alter, Program, B.A., Studio Art Bachelor of Arts, ART, FAH, The reason for a change in the program is the introduction of a new printmaking course focusing primarily on the technique of Silkscreen. ...The new course is not designed to replace the existing ART 235 course, but will be offered as an alternative to it on the alternate semesters. ...The students will be able to choose either one or the other of the two courses....

#150, Alter, Program, B.F.A., Studio Art Comprehensive Bachelor of Fine Arts, ART, FAH, See rationale on #149.

#151, Alter, Program, B.F.A., Visual Communication and Design Comprehensive Bachelor of Fine Arts, ART, FAH, See rationale on #149.

#152, Alter, Program, Minor, Art Minor, ART, FAH, See rationale on #149.

#153, Alter, Program, B.S., Molecular Biology Comprehensive Bachelor of Science, BIOL, NSS, The math requirement for this major is a competency at the level of calculus. Therefore, the calculus classes must be included in the major. This was an oversight on our behalf and needs to be rectified. Students have two options, MATH 115 & MATH 123GS (Calculus courses) & these have now been included in the major. Because MATH 102GS is a prerequisite for PHYS 205, it needs to remain in the Foundational core. MATH 103GS is only required as a prerequisite for MATH 115 and not MATH 123GS, therefore does not need to be accounted for in the hours. In addition, a change was made to the list of courses required for the major. BIOL 403 Plant Physiology has not been taught at the undergraduate level for many years. Therefore, this class was removed and replaced with BIOL 305 Biostatistics.

#154, Create, Course, CSIS 199, Current Issues in CS/IT, CSIS, NSS, This course allows the CSIS department to offer an introduction to contemporary topics in computer science/information technology on an as needed basis. Our field is a dynamically changing field. Demand for new topics happens very quickly. However, before we would offer a course, such as a course on mobile development, interactive art, or information assurance, we would like to have the opportunity to present the material in a special topics course. This course could lead to the development of a new portal course, a course offered across multiple campuses, etc.

#155, Alter, Course, Title and Course Description, CSIS 223, Computer Organization for Computer Information Systems, CSIS, NSS, The changes in this course will realign its content with the international standard ACM/IEEE IT Curriculum model. Our field is a dynamically changing field, and curricular content must be adapted to meet the new standards. New Title: Information Technology Infrastructure.

#156, Create, Program, Supplemental Endorsement in Information Technology, CSIS, NSS, Presently, there is no on-line program in Nebraska that meets the Nebraska Dept of Education's K-12 Information Technology Endorsement Guidelines. This program will create a teaching degree option for people across the world to meet this endorsement. Presently, 75% of the K-12 schools in Nebraska have an information technology graduation requirement, with more schools adding the requirement each year. A similar program through the Instructional Technology MEd is also being introduced. The only added cost is one new course, IT Teaching Methods, taught every other summer. The cost of this course should be offset by the on-line course differential.

WITHDRAWN

#157, Alter, Program, B.S., Mathematics Comprehensive Bachelor of Science, MATH, NSS, The alteration of this program is necessary because the Department of Physics and Physical Science changed Physics 410, Mathematical Techniques in Physics from 4 credit hours to 3 credit hours.

#158, Alter, Course, Prerequisite, PHYS 100, Physical Science, PHYS, NSS, Small change in pre-req. Changing from prerequisite of [A Math ACT score of 17 or above, or completion of MATH101 (Intermediate Algebra) with a grade of "C" or better. Co-Requisite: PHYS100L (Physical science laboratory)] to prerequisite of [A Math ACT score of 17 or above, or completion of MATH101 (Intermediate Algebra) OR ABOVE with a grade of "C" or better. Co-Requisite: PHYS100L (Physical science laboratory)].

#159, Alter, Course, Title and Prerequisite, PHYS 205, Physics I, PHYS, NSS, Small change in title (for consistency with our other offerings) and small change in prereqs. New Title: General Physics I. Changing from

prerequisite of [co/prereq MATH 102 or Math ACT of 20 or better, co/prereq PHYS205L (Physics Laboratory I)] to prerequisite of [Prereq: MATH 102GS* or MATH 103 OR MATH115 or above OR Math ACT of 20 or better].

#160, Alter, Course, Title and Course Description, PHYS 206, General Physics, PHYS, NSS, Small change in title for consistency. New Title: General Physics II.

#161, Alter, Course, Prerequisite, PHYS 210L, General Astronomy Laboratory, PHYS, NSS, Small change in pre-req. Changing from prerequisite of [Prerequisite: consent of instructor. Co-requisite: PHYS 210] to prerequisite of [Prereq or Coreq: PHYS 210GS, or PHYS211GS, or consent of instructor].

#162, Alter, Course, Prerequisite, PHYS 275, General Physics I (Calculus), PHYS, NSS, Small change in pre-req. more accessible. Changing from prerequisite of [Co/Pre-req MATH 115 or Math ACT of 23 or better, Co-Req PHYS275L (General Physics Laboratory I)] to prerequisite of [Prereq or Coreq: MATH 115 or above OR Math ACT of 23 or better].

#163, Alter, Course, Title, PHYS 275L, General Physics I Laboratory, PHYS, NSS, Small change in title for consistency. New Title: General Physics I (Calculus) Laboratory.

#164, Alter, Course, Title, PHYS 276L, General Physics II Laboratory, PHYS, NSS, Small change in title for consistency. New Title: General Physics II (Calculus) Laboratory.

#165, Alter, Course, Prerequisite, PHYS 277, Engineering Mechanics – Statistics, PHYS, NSS, Small change in prereqs. Changing from prerequisite of [PHYS 275, MATH 202] to prerequisite of [PHYS 275GS*, PHYS 275LGS., Pre/Co MATH 202*].

#166, Alter, Course, Title, Credit Hours, Prerequisite, and Course Description, PHYS 323, Introductory Electronics, PHYS, NSS, Change in approach, change in hours; both part of our comprehensive physics degree overhaul. see rational document. New Title: Analog and Digital Electronics. Credit hours from 4 to 3. Changing from prerequisite of [PHYS 206 or PHYS 276] to [PHYS 276GS; PHYS276LGS or permission].

#167, Alter, Course, Prerequisite and Course Description, PHYS 346, Modern Physics I, PHYS, NSS, Small change in description/prereq's . part of program overhaul. Changing from prerequisite of [PHYS 276] to prerequisite of PHYS 276GS*, PHYS 276LGS].

#168, Alter, Course, Title and Credit Hours, PHYS 410, Mathematical Techniques in Physics, PHYS, NSS, Changing credit hour. There is no lab. This change is part of a program change. New Title: Mathematical Techniques in Physics I. Credit hours from 4 to 3.

#169, Alter, Course, Title, Prerequisite, and Course Description, PHYS 417, Quantum Mechanics, PHYS, NSS, Small change in title , description , prereq. goes with overall program change. New Title: Quantum Mechanics I. Changing from prerequisite of [PHYS 416 or permission of instructor] to prerequisite of [PHYS 410].

#170, Create, Course, PHYS 418, Quantum Mechanics II, PHYS, NSS, New course added as part of program change.

#171, Create, Course, PHYS 420, Advanced Physics Laboratory, PHYS, NSS, Adding class as part of a program change. This class is a typical class in all physics programs at peer institutions.

#172, Alter, Course, Credit Hours, Prerequisite, and Course Description, PHYS 430, Optics, PHYS, NSS, Remove lab component and reduce hours. part of a program restructure. PHYS410 teaches the mathematical background to offer phys430 at the proper academic level. Credit hours from 4 to 3. Changing from prerequisite of [PHYS 276] to prerequisite of [PHYS 276, PHYS410].

#173, Alter, Course, Title, Credit Hours, Prerequisite, and Course Description, PHYS 440, Heat and Thermodynamics, PHYS, NSS, CHANGE title and approach of class to align with present/modern thinking. Change credit hour, no lab. part of program changes. phys410 teaches the mathematical background to offer

phys430 at the proper academic level. New Title: Thermodynamics and Statistical Mechanics. Credit hours from 4 to 3. Changing from prerequisite of [none] to prerequisite of [Co/preReq PHYS410].

#174, Create, Course, PHYS 498, Senior Seminar in Physics, PHYS, NSS, Part of a program change that requires UGR. This class is a 'capstone' of previous research. Also, make this a dedicated WI class.

#175, Alter, Program, B.A., Physics Bachelor of Arts, PHYS, NSS, Adjust hours. PHYS 410, 430, 440 were reduced from 4 to 3 hours. Remove PHYS 401 (3 hours) and PHYS 406 (3 hours). Add PHYS 323 (3 hrs). Revise Math requirements.

#176, Alter, Program, B.S., Physics Bachelor of Science, PHYS, NSS, Adjust hours since PHYS 410, 430, and 440 were all reduced from 4 to 3 hours. Remove PHYS 406 (3 hours) and PHYS 411 (3 hours). Add PHYS 323 (3 hours) and PHYS 420 (3 hours). Revise Math requirements.

#177, Alter, Program, B.S., Physics Comprehensive Bachelor of Science, PHYS, NSS, The physics comprehensive degree is primarily intended for the student wishing to attend graduate school. The program at UNK has not been updated in a number of years to reflect current trends and expectations from an undergraduate degree in physics. There are a number of features and classes missing from the program.... Also, the curriculum is being adjusted and updated as a response to the most recent departmental assessment.... The main goal of the program restructure is to make our students more competitive in a national and international market. This requires adding some classes and offering others more frequently.