



Academic Notes

August 25, 2008

AN 2008-2009

ACADEMIC NOTES PUBLICATION SCHEDULE FOR FALL 2008

Below is the circulation schedule for the electronic copy of *Academic Notes* through December 22, 2008. **All submissions for inclusion in Academic Notes are due in the Office of Academic Affairs no later than 10:00 a.m. on the Wednesday prior to the distribution of Academic Notes on the following Monday. Submissions must be in hard copy along with an e-mail, disk, or CD with the same information. The electronic version must be formatted either in Word with pages with signatures scanned and inserted as a picture OR PDF saved as text and image. (Do NOT send PDF just saved as an image.) Information submitted to Academic Notes that is not accompanied by an electronic version or that is incomplete or unusable will be returned to the appropriate office. Academic Notes is available using Acrobat Reader at http://www1.indstate.edu/academicaffairs/academic_notes.htm**

ACADEMIC NOTES PUBLICATION SCHEDULE FOR FALL 2008

<u>Deadline for Items</u>	<u>Issue Date</u>
August 27	September 2
September 3	September 8
September 10	September 15
September 17	September 22
September 24	September 29
October 1	October 6
October 8	October 13
October 15	October 20
October 22	October 27
October 29	November 3
November 5	November 10
November 12	November 17
November 19	November 24
November 26	December 1
December 3	December 8
December 10	December 15
December 17	December 22

ACALOG NOTE

The format for curriculum proposals has changed to correspond with the structure of Acalog, the new version of the electronic catalogs. Some proposals will be published under the old structure and some under the new structure during this transition period.

Improved Electronic Catalog

The new electronic version of the undergraduate catalog is posted at

<http://www.indstate.edu/academics/catalogs.htm>. Some advantages of the new format are:

- It is easily searchable and searchable from the internet

- It is easier for students and advisors to find and choose the courses students need
- Students create a personal portfolio of courses in which they are interested
- Links to information such as department web sites, advising information, and video clips can easily be added
- Every page can easily be printed, decreasing the number of printed catalogs

If you have questions, please contact Academic Affairs, extension 3662.

CURRICULUM

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UNDERGRADUATE PROPOSALS

NEW COURSES

COLLEGE OF ARTS AND SCIENCES: Physics

PHYS 309 – Statics

3 credits

The course is intended primarily for students intending further study in civil or mechanical engineering. Topics include the analysis of two and three dimensional force systems and the application of equilibrium principles to simple trusses, frames and machines. Additional topics chosen from: distributed forces, hydrostatics, centroids, friction, and virtual work.

Preferred effective term: Spring 2009

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Geography, Geology, and Anthropology

GEOL 270- Historical Geology

3 hours

Physiochemical and biological history of the Earth as interpreted from the rock record. Emphasis on North America.

Prerequisite: 170 or equivalent.

Note: Field trip required.

General Education Credit: General Education Credits [GE2000: Scientific and Mathematical Studies-Elective]

Change title and description to:

GEOL 270- Earth History

3 credits

Environmental and biological history of the Earth as interpreted from the rock record. Emphasis on North America.

Prerequisite: GEOL 170 or equivalent.

Note: Field trip required.

General Education Credit: General Education Credits [GE2000: Scientific and Mathematical Studies-Elective]

Preferred effective term: Spring 2009

GEOL 361- Oceanography

3 hours

Chemistry and physics of sea water, life of the oceans, circulation of the oceans, marine climate, and marine geology.

Prerequisite: two college-level science courses or consent of instructor.

General Education Credit: General Education Credits [GE2000: Scientific and Mathematical Studies-Elective]

Change description and prerequisite to:

GEOL 361- Oceanography

3 credits

Introduction to biology, chemistry, geology, and physical characteristics of the oceans. Topics include sea water characteristics, life in the oceans, ocean circulation, marine geology, and global climate change.

Prerequisite: one college-level science course.

General Education Credit: [GE2000: Scientific and Mathematical Studies-Elective]

Preferred effective term: Spring 2009

GEOL 418- Soil Genesis and Classification

3 hours

An analysis of how soils are formed through interactions of climate, vegetation/biotic features, parent material, and slope over time. Classification and distribution of soils are emphasized.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Cross-listed: Also listed as Geography 418.

Change description and remove cross-listing to:

GEOL 418- Soil Genesis and Classification

3 credits

An analysis of how soils are formed through interactions of climate, vegetation/biotic features, parent material, and slope over time. Classification and distribution of soils are emphasized.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Preferred effective term: Spring 2009

GEOL 454- Introduction to Hydrology

3 hours

Study of surface water systems, hydrologic budgets, and hydro-climatology. Emphasis is on techniques and methods used in the collection of hydrologic data. A two-hour lecture and a two-hour laboratory weekly.

Prerequisites: 111 or 160, Mathematics 115, Physics 105, or consent of instructor.

Note: Field trip and term paper required.

Change prerequisites to:

GEOL 454- Introduction to Hydrology

3 credits

Study of surface water systems, hydrologic budgets, and hydro-climatology. Emphasis is on techniques and methods used in the collection of hydrologic data. A two-hour lecture and a two-hour laboratory weekly. Field trip and term paper required.

Prerequisite: GEOL 160 or 170; MATH 111 and 112 or 115.

Note: Field trip and term paper required.

Preferred effective term: Spring 2009

GEOL 455 - Groundwater Hydrology

3 hours

Structure, exploration, availability, and fluid-flow aspects of groundwater. Emphasis is on techniques and methods used in groundwater resource evaluation.

Prerequisite: 454 or consent of instructor.

Change prerequisite to:

GEOL 455-Groundwater Hydrology

3 credits

Structure, exploration, availability, and fluid-flow aspects of groundwater. Emphasis is on techniques and methods used in groundwater resource evaluation.

Prerequisite: MATH 132.

Preferred effective term: Spring 2009

GEOL 465 - Fundamentals of Tree-Ring Research

3 hours

Fundamentals of the field of dendrochronology, including its applications to archaeology, climatology, fire history, and insect outbreaks.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Cross-listed: Also listed as Anthropology 465, Ecology 465, and Geography 465.

Remove cross-listing with GEOG 465 to:

GEOL 465 - Fundamentals of Tree-Ring Research

3 credits

Fundamentals of the field of dendrochronology, including its applications to archaeology, climatology, fire history, and insect outbreaks.

Cross-listed: Also listed as ANTH 465 and BIO 465.

Preferred effective term: Spring 2009

GEOL 481 Geochemistry

3 credits

Fundamentals of high-temperature and low-temperature geochemistry. Prerequisites: one year of college chemistry and 380.

Change description and prerequisites to:

GEOL 481 Geochemistry

3 credits

Fundamental interactions between geology and chemistry in natural systems, including both high-temperature and low-temperature geochemistry.

Prerequisites: GEOL 380 and CHEM 106/106L.

Preferred effective term: Spring 2009

GEOL 483 - Economic Geology

3 hours

Composition, structure, occurrence, and origin of the more important economic deposits, including metallics, nonmetallics, and mineral fuel. Field trip required.

Prerequisite: 380 or equivalent.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Change title and prerequisites to:

GEOL 483 Mineral Resources

3 credits

Composition, structure, occurrence, and origin of the more important economic deposits, including metallics, nonmetallics, and mineral fuel. Field trip required.

Prerequisite: GEOL 380 and 382.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Preferred effective term: Spring 2009

GEOL 488 - Computer Methods in Geology

3 hours

The use of computers and computing methods in geology with particular emphasis on the integration of computers in the process of solving geologic and environmental problems.

Prerequisites: 160 or 170; 270 or consent of instructor.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Change title, description, and prerequisites to:

GEOL 488 Geoscience Research Methods

3 credits

The use of computers as tools to evaluate and present geologic data, with particular emphasis on using real data to investigate geologic and environmental problems.

Prerequisites: GEOL 160 or 170 and 270.

Preferred effective term: Spring 2009

GEOL 489 - Field Geology

6-8 hours

Field geology in the Rocky Mountains. Exposure to all major facets of field geology in an area of

excellent geologic exposures.

Prerequisites: 12 semester hours of geology and consent of the Department Chairperson.

Change credits, description, prerequisites, and add repeatable to:

GEOL 489 - Field Geology

1-9 credits

Exposure to all major facets of field geology in an area of excellent geologic exposures.

Prerequisites: 12 semester credits of geology.

Repeatable: May be repeated for a maximum of 9 credits.

Preferred effective term: Spring 2009

GEOL 497 - Seminar in Advanced Geology

1-3 credits

Department seminar investigating a selected field of advanced geology announced prior to registration.

Prerequisite: 9 semester hours of geology or consent of instructor.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Change credit and add repeatable to:

GEOL 497 - Seminar in Advanced Geology

1-9 credits

Department seminar investigating a selected field of advanced geology announced prior to registration.

Prerequisite: 9 semester hours of geology or consent of instructor.

Repeatable: May be repeated for a maximum of 9 credits.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Preferred effective term: Spring 2009

GRADUATE PROPOSALS

NEW COURSES

COLLEGE OF ARTS AND SCIENCES: Music

MUS 625 - Music Learning and Teaching

3 credits

The application of theories of music learning from early childhood through adult to the selection and sequencing of content in a variety of learning settings with an emphasis on curriculum and practice in music education.

Preferred effective term: Fall 2008

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Geography, Geology, and Anthropology

GEOL 518 - Soil Genesis and Classification

3 credits

An analysis of how soils are formed through interactions of climate, vegetation/biotic features,

parent material, and slope over time. Classification and distribution of soils are emphasized.

Cross-listed: (Also listed as Geography 518.)

Remove cross-listing to:

GEOL 518 - Soil Genesis and Classification

3 credits

An analysis of how soils are formed through interactions of climate, vegetation/biotic features, parent material, and slope over time. Classification and distribution of soils are emphasized.

Preferred effective term: Spring 2009

GEOL 554 - Introduction to Hydrology

3 credits

The study of surface water systems, hydrologic budgets, and hydro-climatology; emphasis on techniques and methods used in the collection of hydrologic data.

Prerequisites: 111 or 160, Mathematics 115, and Physics 105; or consent of instructor.

Change prerequisites to:

GEOL 554 - Introduction to Hydrology

3 credits

The study of surface water systems, hydrologic budgets, and hydro-climatology; emphasis is on techniques and methods used in the collection of hydrologic data.

Prerequisites: GEOL 160 or 170, MATH 111 and 112 or 115.

Preferred effective term: Spring 2009

GEOL 555 - Groundwater Hydrology

3 credits

The structure, exploration, availability, and fluid-flow aspects of groundwater. Emphasis is on techniques and methods used in groundwater resource evaluation.

Prerequisites: 170 or consent of instructor.

Change prerequisite to:

GEOL 555 - Groundwater Hydrology

3 credits

The structure, exploration, availability, and fluid-flow aspects of groundwater. Emphasis is on techniques and methods used in groundwater resource evaluation.

Prerequisite: MATH 132.

Preferred effective term: Spring 2009

GEOL 565 - Fundamentals of Tree-Ring Research

3 credits

Fundamentals of the field of dendrochronology including its applications to archaeology, climatology, fire history, and insect outbreaks.

Cross-listed : (Also listed as Anthropology 565, Geography 565, and Life Sciences 565.)

Change cross-listing to:

GEOL 565 - Fundamentals of Tree-Ring Research

3 credits

Fundamentals of the field of dendrochronology, including its applications to archaeology, climatology, fire history, and insect outbreaks. Also listed as ANTH 565 and BIO 565.

Preferred effective term: Spring 2009

GEOL 581 - Geochemistry

3 credits

Fundamentals of high-temperature and low-temperature geochemistry.

Prerequisites: one year of college chemistry and 380, or consent of instructor.

Change description and prerequisites to:

GEOL 581 - Geochemistry

3 credits

Fundamental interactions between geology and chemistry in natural systems, including both high-temperature and low-temperature geochemistry.

Prerequisites: GEOL 380 and CHEM 106/106L.

Preferred effective term: Spring 2009

GEOL 583 - Economic Geology

3 credits

The composition, structure, occurrence, and origin of the more important economic deposits, including metallics, nonmetallics, and mineral fuels.

Prerequisites: 441 or equivalent.

Note: Field trip required.

Change title and prerequisites to:

GEOL 583 - Mineral Resources

3 credits

Composition, structure, occurrence, and origin of the more important economic deposits, including metallics, nonmetallics, and mineral fuel.

Prerequisites: GEOL 380 and 382.

Note: Field trip required.

Preferred effective term: Spring 2009

GEOL 588 - Computer Methods in Geology

3 credits

The use of computers and computing methods in geology with particular emphasis on the integration of computers in the process of solving geologic and environmental problems.

Change title, description, and prerequisites to:

GEOL 588 Geoscience Research Methods

3 credits

The use of computers as tools to evaluate and present geologic data, with particular emphasis on using real data to investigate geologic and environmental problems.

Prerequisites: GEOL 160 or 170 and 270.

Preferred effective term: Spring 2009

GEOL 597 - Seminar in Advanced Geology

1-3 credits

Department seminar investigating a selected field of advanced geology (topic announced prior to registration).

Prerequisite: 9 semester hours of geology or consent of instructor.

Change credits and add repeatable to:

GEOL 597 - Seminar in Advanced Geology

1-9 credits

Department seminar investigating a selected field of advanced geology (topic announced prior to registration).

Prerequisite: 9 credits of geology or consent of instructor.

Repeatable: May be repeated for a maximum of 9 credits.

Preferred effective term: Spring 2009

GEOL 600 - Foundations in Geography-Geology

3-4 credits

Provides a broad basis for more advanced study in the areas of geography-geology. Specifically designed for students with minimal undergraduate preparation in these areas.

Change credits and add repeatable to:

GEOL 600 - Foundations in Geography-Geology

1-6 credits

Provides a broad basis for more advanced study in the areas of geography-geology. Specifically designed for students with minimal undergraduate preparation in these areas.

Repeatable: May be repeated for a maximum of 6 credits.

Preferred effective term: Spring 2009

GEOL 601 - Astronomy and Meteorology for Teachers

3 credits

Primarily concerned with the solar system, the stars, and recent advances in astronomy. In the section on meteorology, weather will be analyzed in terms of air mass movements and location of fronts.

Change credits and add repeatable to:

GEOL 601 - Astronomy and Meteorology for Teachers

1-6 credits

Primarily concerned with the solar system, the stars, and recent advances in astronomy. In the section on meteorology, weather will be analyzed in terms of air mass movements and location of fronts.

Repeatable: May be repeated for a maximum of 6 credits.

Preferred effective term: Spring 2009

GEOL 602 - Geology for Teachers

3 credits

Composition and structure of the Earth, mountain building forces, forces of erosion, historical geology, and conservation of minerals.

Change credits and add repeatable to:

GEOL 602 - Geology for Teachers

1-6 credits

Composition and structure of the Earth, mountain building forces, forces of erosion, historical geology, and conservation of minerals.

Repeatable: May be repeated for a maximum of 6 credits.

Preferred effective term: Spring 2009

GEOL 661 - Advanced Research in Geology

1-6 credits

Advanced literature, laboratory, and field research of a selected geologic problem.

Note: Open only to students who have completed 12 hours of geology.

Change credits and add repeatable to:

GEOL 661 - Advanced Research in Geology

1-9 credits

Advanced literature, laboratory, and field research of a selected geologic problem. Open only to students who have completed 12 credits of geology.

Repeatable: May be repeated for a maximum of 9 credits.

Preferred effective term: Spring 2009

GEOL 664 - Regional Geology

3 credits

The stratigraphy and geologic structure of the United States in light of recent research. Concept of orogeny, validity of radioactive dating, occurrence of large wrench faults, and evidence for continental accretion and continental drift.

Change title, description, and add repeatable to:

GEOL 664 - Regional Topics in Geology

3 credits

Geologic aspects of different regions of the United States and the world in light of recent research.

Repeatable: May be repeated for a maximum of 6 credits.

Preferred effective term: Spring 2009

GEOL 666 Seminar in Early Earth History

3 hours

This research-based seminar will focus on the early evolution of the Earth. Topics include, but are not limited to, Archean evolution of the Earth, proterozoic tectonics, and the evolution of climate and life.

Change title, description, and add repeatable to:

GEOL 666 - Early Life on Earth

3 credits

This research-based seminar will focus on early evolution of the Earth and its life forms. Topics include, but are not limited to, Precambrian geology, fossil evidence of early life, and the characteristics and evolution of early life through the early Paleozoic.

Repeatable: May be repeated for a maximum of 6 credits.

Preferred effective term: Spring 2009

GEOL 668 - Remote Sensing: Research Seminar in Geologic Applications

3 credits

Research is conducted in remote sensing as applied to environmental geology, geomorphology, hydrology, oceanography, petroleum geology, and structural geology. Students also critically review recent articles in geologic applications of remote sensing.

Prerequisite: Consent of instructor.

Change title, description, and remove prerequisite to:

GEOL 668 - Quantitative Methods Seminar
3 credits

Applied research is conducted in environmental geology, hydrology, oceanography, petroleum geology, and geochemistry. Students will also critically review recent articles related to new technological developments in geology and learn how to collect and reduce data.
Preferred effective term: Spring 2009

GEOL 697 - Research Seminar in Geology
1 credits

An individual study and presentation of a particular topic in geology as decided upon by the student and the instructor.

Prerequisite: Consent of instructor.

Change credits, description, remove prerequisite, and add repeatable to:

GEOL 697 - Research Seminar in Geology
1-6 credits

The course is designed to enhance student skills in synthesizing and communicating geologic concepts. These skills are necessary to build successful careers in geology and will be required throughout a career in geology.

Repeatable: May be repeated for a maximum of 6 credits.

Preferred effective term: Spring 2009

UNDERGRADUATE APPROVALS

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Military Science

MSL 102 - Leadership and Personal Development
2 hours

The course introduces the student to the basic officer competencies and establishes a firm foundation for continued study in higher ROTC courses. This course instructs students on the basic life skills pertaining to personal fitness and interpersonal communication skills. Students will be introduced to U.S. Army values, national values, and expected ethical behavior. Students will be exposed to the unique duties and responsibilities of officers and the expectations of selfless service, dedication, and duty to the nation. Designed to introduce basic soldier skills and squad level tactical operations. Attention is devoted to development of leadership potential through practical exercises both in and out of the classroom.

Change title, credits, description, and ad co-requisite to:

MSL 102 – Introduction to Tactical Leadership
1 credit

The course overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Continued emphasis is placed on recruitment and retention of cadets. Cadre role models and the building of stronger relationships among the cadets through common experience and practical interaction are critical aspects of the MSL 102 experience.

Co-requisite: MSL 102L.

Preferred effective term: Spring 2009

MSL 102L - Leadership and Personal Development Laboratory
0 hours

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces military science cadets to basic military combat skills, and provides hands-on-training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, planning, and organization skills.

Note: Requirement: concurrent enrollment in 102

Change title, description, and co-requisite to:

MSL 102L - Introduction to Tactical Leadership Laboratory

0 credits.

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces military science cadets to basic military combat skills, and provides hands-on-training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, planning, and organization skills.

Co-requisite: MSL 102.

Preferred effective term: Spring 2009

MSL 201 - Innovative Tactical Leadership

2 credits

Develops basic leadership abilities and management skills through instruction and hands-on practical exercises. Introduces principles and techniques of effective written and oral communication. Teaches practical leader skills and examines the principles of subordinate motivation and organizational change. Teaches hands-on soldier skills and squad level tactical operations. Students will apply leadership and problem solving to a complex case study/simulation. Class is designed to develop individual team skills and decision-making abilities, test basic tactical proficiency skills, and improve planning and organizational skills both in and out of the classroom environment. Attention is devoted to development of leadership potential through practical exercises both in and out of the classroom.

Change title, description, and add co-requisite to:

MSL 201 - Innovative Team Leadership

2 credits

The course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of Army rank, structure, and duties and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldier's Creed and Warrior Ethos as they apply in the contemporary operating environment (COE).

Co-requisite: MSL 201L.

Preferred effective term: Fall 2009

MSL 201L - Innovative Tactical Leadership Laboratory

0 hours

Description

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces military science cadets to basic military combat skills, and provides hands-on training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, and planning and organization skills.

Note: Requirement: concurrent enrollment in 201.

Change title and description to:

MSL 201L - Innovative Team Leadership Laboratory

0 credits

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces military science cadets to basic military combat skills, and provides hands-on-training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, and planning and organization skills.

Co-requisite: MSL 201.

Preferred effective term: Spring 2009

MSL 202 - Leadership in Changing Environments

2 hours

Further develops leadership skills by focusing on conventional basic squad and small unit tactics and introducing students to the basic tactical principles of maneuver. Examines better citizenship and the roots of national and Army values. Allows students to apply principles of ethical decision-making and resolve ethical issues in case studies. Examines the legal and historical foundations, duties and functions of the Army officer. Teaches basic soldier skills and squad level tactical operations. Students will analyze the roles officers played in the transition of the Army from the Vietnam conflict to the twenty-first century. Special attention is devoted to development of leadership potential through practical exercises both in and out of the classroom.

Change title, description, and add co-requisite to:

MSL 202 - Foundations of Tactical Leadership

2 credits

Examines the challenges of leading tactical teams in the COE. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. Cadets develop greater self awareness as they assess their own leadership styles and practice communication and team building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real world scenarios.

Co-requisite: MSL 202L.

Preferred effective term: Spring 2009

MSL 202L - Leadership in Changing Environments Laboratory

0 hours

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces military science cadets to basic military combat skills, and provides hands-on training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, and planning and organization skills.

Note: Requirement: concurrent enrollment in 202.

Change title, description an add co-requisite to:

MSL 202L - Foundations of Tactical Leadership Laboratory

0 credits

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces Military Science cadets to basic military combat skills, and provides hands-on-training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, and planning and organization skills.

Co-requisite: MSL 202

Preferred effective term: Spring 2009

MSL 301 - Adaptive Team Leadership

3 hours

Course is designed for those students who contract with Army ROTC to continue their military studies in pursuit of a commission as an officer into the Army following graduation from college. Course focus is to build cadet leadership competencies in preparation for attending and completing the ROTC National Advanced Leadership Camp at Fort Lewis, Washington. Provides an in-depth review of the features and execution of the Leadership Development Program, and provides the cadet with periodic assessment of performance in leadership positions. Students will study squad and platoon level tactics, troop leading procedures, mission analysis, land navigation skills training, military operations plans and orders development, execution of squad battle drills, and basic briefing techniques.

Change description and add co-requisite to:

MSL 301 - Adaptive Team Leadership

3 credits

Challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, cadets continue to develop their leadership and critical thinking abilities. The focus is developing cadets' tactical leadership abilities to enable them to succeed at ROTC's summer Leadership Development and Assessment Course (LDAC).

Co-requisite: MSL 301L.

Preferred effective term: Fall 2009

MSL 301L - Adaptive Team Leadership Laboratory

0 hours

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces military science cadets to basic military combat skills, and provides hands-on training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, and planning and organization skills.

Note: Requirement: concurrent enrollment in 301.

Change description and add co-requisite to:

MSL 301L - Adaptive Team Leadership Laboratory

0 credits

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces Military Science cadets to basic military combat skills, and provides hands-on-training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, and planning and organization skills.

Co-requisite: MSL 301.

Preferred effective term: Fall 2009

MSL 401 - Developing Adaptive Leaders

3 hours

Course is designed to develop, train, and transition the advanced course graduate from cadet to lieutenant for service as an officer. Cadet will study how army staff organizations function and the processes of the army's hierarchical organizational structure. Students will learn in-depth counseling responsibilities and methods, officer and non-commissioned officer evaluation report development, officer evaluation report support form development, and training plan development. Cadets will receive training on basic leadership responsibilities to foster an ethical command climate, to meet moral obligations, and to accommodate subordinate spiritual needs.

Change description, credits, and add co-requisite to:

MSL 401 - Developing Adaptive Leaders

4 credits

Develops cadet proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Cadets assess risk, make ethical decisions, and lead fellow ROTC cadets. Lessons on military justice and personnel processes prepare cadets to make the transition to Army officers. Cadets analyze, evaluate, and instruct cadets at lower levels. Both their classroom and battalion leadership experiences are designed to prepare cadets for their first unit of assignment. They identify responsibilities of key staff, coordinate staff roles, and use situational opportunities to teach, train, and develop subordinates.

Co-requisite: MSL 401L.*Preferred effective term: Fall 2009***MSL 401L - Developing Adaptive Leaders Laboratory**

0 hours

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces military science cadets to basic military combat skills, and provides hands-on training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, and planning and organization skills.

Note: Requirement: concurrent enrollment in 401.*Change description and add co-requisite to:***MSL 401L - Developing Adaptive Leaders Laboratory**

0 credits

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces Military Science cadets to basic military combat skills, and provides hands-on-training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, and planning and organization skills.

Co-requisite: MSL 401.*Preferred effective term: Fall 2009***MSL 402 - Leadership in a Complex World**

3 hours

Continued development to transition the advanced camp graduate from cadet to lieutenant for service as an officer. Course analyzes the legal aspects of decision-making and leadership in action. Course will expose cadets to the foundations of leadership, operational law, and the key aspects of the Uniformed Code of Military Justice. Students will undergo hands-on training and instruction in joint ethics regulations, joint strategic level operations, army administrative and logistics management, in-depth counseling techniques, and duty at first military assignment. Students will also receive training in personal awareness for financial planning.

*Change credits, description, and add co-requisite to:***MSL 402 - Leadership in a Complex World**

4 credits

Explores the dynamics of leading in the complex situations of current military operations in the COE. cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with nongovernmental organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing cadets for their first unit of assignment. It uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare cadets to face the complex ethical and practical demands of leading as commissioned officers in the United States Army.

Co-requisite: MSL 402L.
Preferred effective term: Spring 2009

MSL 402L - Leadership in a Complex World Laboratory
0 hours

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces Military Science cadets to basic military combat skills, and provides hands-on training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, and planning and organization skills.

Note: Requirement: concurrent enrollment in 402.

Change description and add co-requisite to:

MSL 402L - Leadership in a Complex World Laboratory
0 credits.

The leadership laboratory supplements classroom instruction. This laboratory is a multi-echelon exercise that introduces military science cadets to basic military combat skills, and provides hands-on-training and confidence building. The laboratory is designed to develop individual and team skills, problem solving, decision making, oral and written communication, and planning and organization skills.

Co-requisite: MSL 402.
Preferred effective term: Spring 2009

COLLEGE OF ARTS AND SCIENCES: Music

MUS 430 - Brass Literature and Materials
2 hours

A survey of solo and ensemble literature for brass instruments, emphasizing performance problems and pedagogical uses.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Change title to:

MUS 430 - Brass Literature and Pedagogy
2 credits

A survey of solo and ensemble literature for brass instruments, emphasizing performance problems and pedagogical uses.

Preferred effective term: Fall 2008