

College of Arts & Sciences Faculty Meeting
Thursday, December 11, 2003
3:30 p.m., City Union - Room to be posted

3:30 p.m. Cider, coffee, and cookies
3:45 p.m. Meeting begins

AGENDA

Item I. Approval of minutes from faculty meeting on April 16, 2003.

Item II. Opening comments.

Appointing of Parliamentarian

Item III. Recommendation from the College Curriculum Committee to approve Essential Studies courses listed for Area A, Communication; Area B, Mathematics and Statistics; Area C, Human Behavior, Culture, and Social Organization; Area D, Science and Technology; Area F, Humanities; Area H, Ethnicity and Gender. (See appendix). Supporting materials are available for review in the Dean's Office.

Item IV. Recommendation from the College Curriculum Committee to approve Integrative Studies courses (see appendix). Supporting materials are available for review in the Dean's Office.

Item V. Recommendation from the College Curriculum Committee to approve the proposed change for joining the Essential Studies Area E sub areas.

Item VI. Recommendation from the College Curriculum Committee to approve proposed changes in the major and minor for biological sciences. (See appendix).

Item VII. Recommendation from the College Curriculum Committee to approve proposed changes in the major for classics. (See appendix).

Item VIII. Recommendation from the College Curriculum Committee to approve proposed changes in the minor for classics. (See appendix).

Item IX. Recommendation from the College Curriculum Committee to approve proposed changes in the minor for religious studies. (See appendix).

Item X. Recommendation from the College Curriculum Committee to approve proposed combining of the majors in Greek and Latin. (See appendix).

Item XI. Recommendation from the College Curriculum Committee to approve proposed changes to the BS degree for the biological sciences emphasis in the major in environmental studies. (See appendix).

Item XII. Recommendation from the College Curriculum Committee to approve proposed changes in the major and minor for film studies. (See appendix).

Item XIII. Recommendation from the College Curriculum Committee to approve proposed changes in the major and minor for mathematics. (See appendix).

Item XIV. Recommendation from the College Curriculum Committee to approve the new minor for statistics. (See appendix).

Item XV. Recommendation from the College Executive Committee to approve the proposed changes in the Promotion and Tenure Guidelines. (Materials mailed out 12/1/2003)

APPENDIX

Item III. Recommendation from the College Curriculum Committee to approve Essential Studies courses.

- Area A. Communication
 - BSAD 282H Business Systems and Operations (JDEP 282H) (3 cr)
 - CSCE 284H Foundations of Computer Systems (JDEP 284H) (4 cr)
- Area B. Mathematics and Statistics
 - MATH 109H Honors: Accelerated Calculus II (5-7 cr)
- Area C. Human Behavior, Culture, and Social Organization
 - RELG 370 Religion and Reform: Utopian and Communal Societies in America (3 cr)
 - ETHN 201 Introduction to Native American Studies (3 cr)
- Area D. Science and Technology
 - BIOS 102 Cell Structure and Function (4 cr)
 - BIOS 102 Honors: Cell Structure and Function (4 cr)
 - BIOS 103 Organismic Biology (4 cr)
 - METR 100 Severe and Unusual Weather (3 cr)
- Area E.2 Historical Studies: Additional Courses
 - HIST 303/803 United States Military History 1607-1917 (3 cr)
 - HIST 304/804 United States Military History Since 1917 (3 cr)
 - HIST 359 Nebraska History (3 cr)
- Area F. Humanities
 - CLAS 245 War in the Classical World (3 cr)
 - CLAS 305 Ancient Greek Religions (RELG 305) (3 cr)
 - RELG 209 Judaism and Christianity in Conflict and Co-existence (JUDS 209) (3 cr)
 - RELG 220 Reason and Religion (3 cr)
 - RELG 225 Science and Religion (3 cr)
 - RELG 310 Pagans and Christians in the Roman Empire (3 cr)
 - RELG 333 Jews, Christians, and the Bible (JUDS 333) (3 cr)
 - ENGL 275 Intro to Rhetorical Theory (3 cr)
- Area H. Ethnicity and Gender
 - ETHN 201 Introduction to Native American Studies (3 cr)
 - RELG 333 Jews, Christians, and the Bible (JUDS 333) (3 cr)

Item IV. Recommendation from the College Curriculum Committee to approve Integrative Studies courses.

- BIOS 102 Cell Structure and Function (4 cr)
- BIOS 102 Honors: Cell Structure and Function (4 cr)
- GREK 491/891 Topics in Greek Prose (3 cr, max 24)
- GREK 492/892 Topics in Greek Poetry (3 cr, max 24)
- LATN 491/891 Topics in Latin Prose (3 cr, max 24)
- LATN 492/892 Topics in Latin Poetry (3 cr, max 24)
- ENGL 418/818 Electronic Texts: Theory and Practice (English) (3 cr)
- ETHN 201 Introduction to Native American Studies (3 cr)
- GEOL 422/822 Marine Geology (3 cr)
- MATH 109H Honors: Accelerated Calculus II (5-7 cr)
- PHYS 262 Physical Science by Inquiry (3 cr)
- PSYC 483/883 Psychology of Social Behavior (3 cr)

Item V. Recommendation from the College Curriculum Committee to approve the proposed change to join the Essential Studies, area E sub-areas.

The History Department suggests that the College place the courses for Essential Studies, Area E, Historical Studies, onto a single list, abolishing the distinction between the E.1 and E.2 lists.

Background: Arts & Sciences and the Hixson-Lied College of Fine and Performing Arts are the only two Colleges at UNL that make a distinction between sub-areas E.1 and E.2. The distinction divides courses into History of Civilization (E.1) and Additional Courses (E.2). That division is intended to differentiate between geographically and chronologically broad courses on the one hand and courses that address more specific places, times, or themes on the other. The two lists are modeled after Arts & Sciences Liberal Education Requirements which were replaced in 1995 by Essential Studies and Integrative Studies lists. The Liberal Education Requirements divided the approved History of Civilization classes into two lists: Western Civilization Courses and Additional Courses. The current system drops the word "Western" from the first list in order to be more inclusive. Bachelor of Arts students in Arts & Sciences must take two courses in Area E, at least one of which must come from E.1; students pursuing a Bachelor of Science degree must take a minimum of one Area E course, which must come from E.1.

Although the History Department originally supported the division, we felt that it has not, in fact, turned out to be meaningful for the following reasons: (1) The distinctions between the two lists are not intellectually consistent. For example, HIST/ETHN 171, Latin American Culture and Civilization, is on the E.1 list; SPAN 331 Latin American Civilization, however, is on the E.2 list. HIST 231 and HIST 232, the two-semester sequence on the History of England are on the E.1 list. This history of China sequence, HIST 383 and 384, however are on the E.2 list. It is difficult to argue that a two-course sequence in China is somehow more specialized (i.e. covering less chronological or geographical ground) than the English history sequence. (2) Newer areas of historical study are more likely to be classified as "Additional Courses" than as "History of Civilizations". The traditional two-semester survey of American History, HIST 201 and 202, is on the E.1 list. Native American History and African American History, HIST 241 and 306, however, are on the E.2 list. Many courses limited to a single country in Europe are on the E.1 list, while Women in European History, HIST 329, is on the E.2 list. (3) The two-list system causes unnecessary problems for Arts & Sciences students trying to complete their requirements. Students must make sure not only that they take courses approved for the ES area E list, but that at least one course comes from the E.1 portion of the list. The distinction between the two sets of courses does not have enough intellectual merit to justify the problems caused for students already burdened with complex General Education requirements.

The History Department recognizes that we and the College initially supported the system of breaking courses into E.1 and E.2 for what we say as valid intellectual reasons. The fact that the distinction between the two lists has become so muddled is not a result of carelessness or intellectual dishonesty. Rather, it reflects the reality that the LER system was originally created when there were far fewer course offerings in Historical Studies at UNL and when the University could in good conscience focus its curriculum more on North America and Europe; it was relatively easy therefore to set off a list of broad Western Civilization courses from other approved courses. The larger number of offerings now available, however, and the diversity of their subject matter, make the two lists a liability instead of a useful tool.

Item VI. Recommendation from the College Curriculum Committee to approve the proposed changes in the major and minor for biological sciences.

Current: The major must include 18 hours in the five core courses (BIOS 201, 204, 301, 302, and 305) and 18 additional hours of elective courses in biological sciences, of which at least 14 must be at the 200 level or above, with at least 3 hours at the 400 level. Most students should enter the core sequence directly with either BIOS 201 or 204. Students concerned about their preparation for college-level biology should start with BIOS 101 and 101L. Please consult your adviser if in doubt.

No biological science course (except BIOS 310) used to fulfill the 36 hour for the major (or 18 hours in the minor) may be taken pass/no pass (P/N) and no more than 8 hours may be courses whose home department is other than biological sciences (see cross-listed courses).

No minor is required, but biological sciences majors must complete the following ancillary courses in addition to the 36 hours of Biological Science courses for the major: one year of physics at the 141-142 level or at the 200 level; two years of chemistry including one semester of organic with lab or one semester of biochemistry at the 300 level or above (BIOC 321 or 431); MATH 106, and *either* MATH 107 or a course in statistics or CSCE 155. Additionally, biological sciences majors are strongly urged to attend the Cedar Point Biological Station for at least one summer session. Majors are also encouraged to do a research project with a faculty member.

Program Assessment. To assist the department in evaluating the effectiveness of its program, all majors will be required in their senior year to register for BIOS 99.

The undergraduate adviser will inform students selected to participate in the scheduling and format of assessment activities.

Results of participation in these assessment activities will in no way affect a student's GPA or graduation.

Requirements for the Minor in Biological Sciences

18 hours, comprising the five-course core: BIOS 201, 204, 301, 302, and 305

Proposed: Requirements for the Major in Biological Sciences

The major must include 18 hours in the five core courses:

- BIOS 102 - Cell Structure & Function
- BIOS 103 - Organismic Biology
- BIOS 205 - Genetics, Molecular & Cellular Biology Laboratory
- BIOS 206 - General Genetics
- BIOS 207 - Ecology & Evolution

An additional 18 hours of elective courses in Biological Sciences, at least 10 of which must be at the 300 level or above, with at least 3 hours at the 400 level. Students concerned about their preparation for college-level biology should consult their adviser.

No more than 8 hours may be from courses whose home department is other than biological sciences (see cross-listed courses).

Pass/No Pass. No biological science course, except BIOS 310, used to fill the 36 hours for the major (and 18 hours for the minor) may be taken pass/no pass (P/N).

The following courses will NOT count toward the biological major: BIOS 108, 150, 160, 203, 220 or 232. BIOS 395 (Internship) is offered P/N only and therefore may not be used in the major.

No minor is required, but biological sciences majors must complete the following ancillary courses in addition to the 36 hours of Biological Science course for the major:

CHEM 109 and 110 OR CHEM 113 and 114:

CHEM 251/253 OR CHEM 261/263;

BIOC 321 OR BIOC 431

PHYS 141 and 142 OR PHYS 211 and 212

MATH 106 AND one of the following: MATH 107, OR an approved STATISTICS course (choose from STAT 218, EDPS 459, PSYC 350, ECON 215, STAT 380), OR CSCE 155

Additionally, biological sciences majors are strongly urged to attend the Cedar Point Biological Station for at least one summer session. Majors are also encouraged to do a research project with a faculty member.

Program Assessment. To assist the department in evaluating the effectiveness of its program, all majors will be required in their senior year to register for BIOS 99 and complete selected assessment activities. Results of participation in these assessment activities will in no way affect a student's GPA or graduation.

Requirements for the Minor in Biological Sciences

18 hours, comprising the five-course core: BIOS 102, 103, 205, 206, and 207.

Justification: Since the renumbered introductory courses will not meet the upper-level course requirements, intermediate-level courses should effectively gain more sophomores and juniors. For example, students will be able to use courses such as BIOS 101, BIOS 213 (Human Physiology), BIOS 215 (Nursing Anatomy) and BIOS 220 (Principles of Ecology) to fulfill part of the 18 additional credit hours requirement, but will not be able to apply all the credits earned in these lower level courses towards the requirement.

Item VII. Recommendation from the College Curriculum Committee to approve the proposed changes to the major in classics.

Current: Requirements for the Major in Classics

The major requires 30 hours of courses distributed as described below, plus the first year of either Greek, Hebrew, or Latin, selected in consultation with the adviser and depending on the chosen area of emphasis. This requirement may be applied to the college language requirement. A minor is required and may be any minor approved by the college.

1. Core Courses (15 hours): required of all students in the major program. *A course may be used to satisfy either the core requirement or the area of emphasis requirement but not both.*

AHIS 211. Classical Art and Archaeology **or** 311 Greek Art & Archaeology **or** 313 Roman Art & Archaeology (3 cr)

CLAS 180. Classical Mythology (3 cr)

CLAS 281. The World of Classical Greece (ENGL 240A) **or** 282 The World of Classical Rome (ENGL 240B) (3 cr)

HIST 210. Ancient Greece & Rome 500 BC 0 335 AD (3 cr)

PHIL 231 History of Philosophy (Ancient) **or** 331 Hellenistic Philosophy (3 cr)

2. An additional 9 hours to be taken in one of the following areas of emphasis, 6 of which must be above 299.

Arts and Archaeology

AHIS 311. Greek Art and Archaeology (3 cr)

AHIS 313. Roman Art and Archaeology (3 cr)

AHIS 411. Classical Architecture (3 cr)

AHIS 413. Roman Painting (3 cr)

Language and Literature

Courses beyond first year in Latin, Greek or Hebrew

CLAS 283. Epic Tales: The World's Heroes & Gods (3 cr)

CLAS 286. Literature of the Ancient Near East (3 cr)

CLAS 300B. Egyptian (3 cr)

CLAS 300D. Beginning Sanskrit (3 cr)

CLAS 300E. Intro to Coptic (3 cr)

CLAS 350. Literature of Judaism (JUDS/RELG 350) (3 cr)

CLAS 381. Ancient Novel (3 cr)

CLAS 483. Classical Drama (3 cr)

ENGL 340. Classical Roots of English Literature (3 cr)

ENGL 341. Judaeo-Christian Literature (3 cr)

ENGL 489 Medieval Literature & Theology (RELG 489) (3 cr)

THEA 335. History of Theatre I (3 cr)

THEA 404. Evolution of Dramatic Theory I (3 cr)

Religion and Philosophy

CLAS 307. Early Christianity (3 cr)
CLAS 308. History of Comparative Religion (HIST 308) (3 cr)
CLAS 408. Dead Sea Scrolls (JUDS/RELG 408) (3 cr)
CLAS 409. Religion of Late Western Antiquity (HIST 409) (3 cr)
CLAS 410. Gnosticism (3 cr)
PHIL 331. Hellenistic Philosophy (3 cr)
PHIL 335. Medieval Philosophy (3 cr)
PHIL 450. Ancient Philosophy (3 cr)

Historical Studies

CLAS 315. Medieval World: Byzantium (3 cr)
CLAS 331. Ancient Israel (3 cr)
HIST 311. The World of Homer (3 cr)
HIST 318. The Roman Empire (3 cr)
HIST 412. City States in Classical Greece (3 cr)
HIST 417. The Roman Revolution (3 cr)

3. A total of 6 hours selected from two areas outside the selected area of emphasis or other courses as approved by the adviser.

Program Assessment. In order to assist the department in evaluating the effectiveness of its programs, majors will be required:

1. To assemble and maintain a portfolio to include the syllabus and a copy of all written exams and assignments for each course applied toward the major.
2. In their senior year, to complete a written exit survey.

The undergraduate adviser will inform students of the scheduling and format of assessment activities.

Results of participation in these assessment activities will in no way affect a student's GPA or graduation.

Proposed: The Major in Classics and Religious Studies

The major requires 30 hours of courses. Each student will choose an emphasis in either Classics or Religious Studies (described below). 12 hours must be taken at the 300 level or above. The student may count up to 6 hours above the 100-level in Greek, Latin, or Hebrew toward the major. No more than six hours of independent study may count toward the major. A minor is required and may be any Plan A minor approved by the college.

Requirements for the Emphasis in Classics: Students may divide their courses among the following areas, provided six hours are taken in each area.

Area A: Arts and Archaeology

CLAS 252. Archaeology of World Civilizations (3 cr)
CLAS 320. The Classical World: Archaeology and Texts (3 cr)
CLAS 438/838. Topics in Old World Prehistory (3 cr)
AHIS 211. Classical Art and Archaeology (3 cr)
AHIS 311. Greek Art and Archaeology (3 cr)
AHIS 313. Roman Art and Archaeology (3 cr)
AHIS 411. Classical Architecture (3 cr)
AHIS 413. Roman Painting (3 cr)

Area B: Language, Thought, and Literature

CLAS 180. Classical Mythology (3 cr)
CLAS 183. Heroes, Harlots and Helots (3 cr)
CLAS 281. The World of Classical Greece (3 cr)
CLAS 282. The World of Classical Rome (3 cr)
CLAS 283. Epic Tales (3 cr)
CLAS 286. Literature of the Ancient Near East (3 cr)
CLAS 381. Ancient Novel (3 cr)
CLAS 409. Religion of Late Western Antiquity (3 cr)
CLAS 483. Classical Drama (3 cr)
ENGL 340. Classical Roots of English Literature (3 cr)
PHIL 231. History of Philosophy (Ancient) (3 cr)
PHIL 336. Ethics: Ancient and Medieval (3 cr)
PHIL 337. Knowledge: Ancient and Medieval (3 cr)
PHIL 338. Metaphysics: Ancient and Medieval (3 cr)
PHIL 450. Ancient Philosophy (3 cr)

Area C: Historical Studies

CLAS 233. Science in the Classical World (3 cr)
CLAS 245. War in the Classical World (3 cr)
CLAS 305. Ancient Greek Religions (3 cr)
CLAS 307. Early Christianity (3 cr)
CLAS 310. Pagans and Christians in the Roman Empire (3 cr)
CLAS 315. Medieval World: Byzantium (3 cr)
CLAS 331. Ancient Israel (3 cr)
HIST 210. Ancient Greece and Rome (3 cr)
HIST 311. The World of Homer (3 cr)
HIST 318. The Roman Empire (3 cr)
HIST 412. City States in Classical Greece (3 cr)
HIST 417. The Roman Revolution (3 cr)

Requirements for the Emphasis in Religious Studies: **Students may divide their courses among the following areas, provided six hours is taken in each area.**

Area D: The Nature of Religion

RELG 150. Explaining Religion (3 cr)
RELG 220. Reason and Religion (3 cr)
RELG 225. Science and Religion (3 cr)
RELG 206. Ways of Western Religion (3 cr)
RELG 310. Great Ideas in Religious Thought (3 cr)
RELG 125W. Religion, Peace and Social Justice (3 cr)
PHIL 265. Philosophy of Religion (3 cr)
PHIL 338. Metaphysics: Ancient and Medieval (3 cr)
SOC 452. Sociology of Religion (3 cr)

Area E: Biblical Studies

RELG 205. Introduction to the Hebrew Bible (3 cr)
RELG 217. Israel: The Holy Land (3 cr)
RELG 306. Second Temple Judaism (3 cr)
RELG 307. Early Christianity (3 cr)
RELG 331. Ancient Israel (3 cr)
RELG 340. Women in the Biblical World (3 cr)
RELG 408. Dead Sea Scrolls (3 cr)
RELG 212W. Life and Letters of Paul (3 cr)
ENGL 234. Judaeo-Christian Literature (3 cr)

Area F: The Study of Religious Traditions

RELG 181. Judaism, Christianity and Islam (3 cr)
RELG 209. Judaism and Christianity in Conflict and Coexistence (3 cr)
RELG 305. Ancient Greek Religions (3 cr)
RELG 308. Comparative Religion (3 cr)
RELG 332. Jews in the Middle Ages (3 cr)
RELG 333. Jews, Christians and the Bible (3 cr)
RELG 370. Religion and Reform: Utopian and Communal Societies (3 cr)
RELG 409. Religion of Late Western Antiquity (3 cr)
RELG 410. Gnosticism (3 cr)
RELG 489/889. Medieval Literature and Theology (3 cr)
RELG 120W. World Religions (3 cr)
RELG 130W. Women and Religion (3 cr)
RELG 134W. Religious Diversity in the United States (3 cr)
CLAS 286. Literature of the Ancient Near East (3 cr)
CLAS 310. Pagans and Christians in the Roman Empire (3 cr)
HIST 218. History of Islam (3 cr)
HIST 219. Introduction to Jewish History (3 cr)
HIST 220. History of Christianity (3 cr)
HIST 421. The Age of Religious Reform (3 cr)
MUSC 451. Music and the Church (3 cr)
MUSC 452. Hymnology (3 cr)

Program Assessment. In order to assist the department in evaluating the effectiveness of its programs, majors will be required:

1. To assemble and maintain a portfolio to include the syllabus and a copy of all written exams and assignments for each course applied toward the major.
2. In their senior year, to complete a written exit survey.

The undergraduate adviser will inform students of the scheduling and format of assessment activities.

Results of participation in these assessment activities will in no way affect a student's GPA or graduation.

Justification: Since 1997, the department of Classics & Religious Studies has been moving in the direction of adding Religious Studies as a major emphasis in its curriculum. In 1997, Sidnie White Crawford (field: Hebrew Bible, Second Temple Judaism) was added to the department as a full-time tenured member of the department. In 1998, Dan D. Crawford was added to the department as a .5 FTE Senior Lecturer (field: Religious Thought, Philosophy of Religion). In 2000, Stephen Burnett was added to the department as a .6 FTE tenure track Assistant Professor (field: medieval Judaism and Christianity). Professor Burnett was tenured in 2003. Finally, in 2003 Steven Lahey was added to the department as a .5 FTE lecturer (field: medieval and contemporary theology). Thus our permanent FTE in Religious Studies (including John Turner, Center Professor of Religion) is 3.6 FTE.

In 1998, the department voted to change its name from Classics to Classics and Religious Studies, in order to better reflect the teaching and research strengths of the department. In the year 2000, the department negotiated a cooperative agreement with the department of Philosophy and Religion at Nebraska Wesleyan University (signed by the officers of both institutions), which allows students from either UNL or NWU to take courses in the other department for credit at their home institution. This agreement enabled us to expand our Religious Studies offerings. Also, in 2000, the department revised its Religious Studies minor to reflect the growth of Religious Studies as a discipline in the College of Arts & Sciences. Finally, in 2001 Religious Studies was named a priority program in the College of Arts & Sciences. All of this activity has been a prelude to the revision of the Classics major to a Classics and Religious Studies major.

The reason that we are revising an existing major rather than proposing a new one is because the department considers itself not to be two separate and competing fields of study, but two fields of study that mutually complement and strengthen each other. Our strengths in Classics include language study of Greek, Latin and Classical Hebrew; all three of these languages are the foundation for the study of the Hebrew Bible/Old Testament, New Testament, the Patristic literature, and medieval theology. Thus a student studying one of these languages might have interests in Classics, in Religious Studies, or both. We want to make the widest range of courses available to our majors, and allow them to draw on the strengths of all the faculty in the department.

The major has been revised in several ways. First, an area of emphasis must be chosen by each student. This area of emphasis may be Classics or Religious Studies. Regardless of the choice of emphasis, students may choose to count six hours of Greek, Latin or Hebrew above the 100 level toward the major. However, the student is not required to study one of those languages, if they have already fulfilled their language requirement elsewhere. This change in requirement is to allow those students who wish to pursue language study to do so, while not discouraging those potential majors who do not wish to study ancient languages. Students who wish to go on to graduate work in Classics will be urged to undertake the Classical Languages major. All majors are required to take thirty hours of course work in the major, twelve of which must be at the 300 level or above. This is similar to other humanities majors in the College of Arts & Sciences.

The areas of emphasis, Classics and Religious Studies, are designed to be separate tracks, although there are some overlapping courses, given particular faculty expertise. The Classics emphasis has been revised; the core has been removed, the area of Religion and Philosophy has been removed, and new courses have been added. The department elected to do away with the core courses because six of them (AHIS 211, 311, 313; HIST 210; PHIL 231 and 331) were not offered by the department and the department had no control over when or how frequently they were offered. We discovered that we were substituting other courses for these core courses more frequently than students were taking them. Thus it seemed best to do away with a core, and instead ask students to choose among three areas: Arts & Archaeology, Language, Thought and Literature, and Historical Studies. The former core can be found in these three areas, but students will have a broader choice and thus be able to complete the major more rapidly. The area of Religion and Philosophy has been removed because it has essentially become the Religious Studies area of emphasis.

The Religious Studies area of emphasis was developed from the existing Religious Studies minor. The areas are the same: The Nature of Religion, Biblical Studies, and the Study of Religious Traditions. By asking students to choose six hours in each area, we are effectively mandating a core, but with enough choice to enable students to complete their majors with expedition. Several new courses have been added in keeping with the areas of expertise of the faculty. We would especially like to draw the attention of the curriculum committee to the courses RELG 181 (Judaism, Christianity and Islam) and RELG 225 (Science and Religion), which attempt to reach out to students beyond the western religious tradition.

The department anticipates that, with these changes, the number of its majors will double and that in future years the department could have fifty or more majors. We know that our Religious Studies courses are fully enrolled every semester, with long waiting lists. We feel that many of these students would be interested in becoming majors if such an option were open to them. The Religious Studies area of emphasis will accommodate those students. Further, we feel that many students with an interest in Classics, but without the desire to pursue graduate work in the field, will be drawn to the new major to complement their more professional interests in other fields. We look forward to a growth of majors in this area of emphasis as well.

Item VIII. Recommendation from the College Curriculum Committee to approve the proposed minor in classics.

Current: The five core courses (15 hours), plus one elective above 299.

Proposed: A minimum of 18 hours in the courses listed in A, B, and C. At least 3 hours must be taken from each area, and at least 9 of those hours must be CLAS. At least 6 hours must be above 299.

Justification: Since the core has been removed from the Classics and Religious Studies major, it must be removed from the classics minor. We have substituted a distribution requirement, and raised the required number of courses at the 300 level or above from one or two. Thus the revised minor is as demanding as the previous one.

Item IX. Recommendation from the College Curriculum Committee to approve the proposed minor in religious studies.

Current: A minimum of 18 hours in the courses listed; at least 9 of these hours must be religion courses. A minimum of 6 hours in each area (A, B, and C) must be selected.

Other courses not listed below, particularly special topics courses, may be applied with permission of the chief adviser.

Students also have the opportunity, through a cooperative agreement, to take selected courses at Nebraska Wesleyan University in ethics, theology and world religions. Please see the chief adviser for arrangements.

Group A. The Nature of Religion

RELG 150. Explaining Religion (3 cr)
RELG 182. Alpha Learning Community Freshman Seminar (3 cr)
RELG 183. Alpha Learning Community Freshman Seminar (3 cr)
RELG 206. Ways of Western Religion (CLAS 206G) (3 cr)
RELG 310. Great Ideas in Religious Thought: From God to Nothingness (3 cr)
ANTH 472. Belief Systems in Anthropological Perspective (3 cr)
PHIL 116. Philosophy & Religious Belief (3 cr)
PHIL 265. Philosophy of Religion (3 cr)
SOC1 452. Sociology of Religion (3 cr)

Group B. Biblical Studies

RELG 205. Introduction to the Hebrew Bible/Old Testament (CLAS, JUDS 205) (3 cr)
RELG 217. Israel: The Holy Land (HIST, JUDS 217) (3 cr)
RELG 306. Second Temple Judaism (CLAS, JUDS 306) (3 cr)
RELG 307. Early Christianity (CLAS, JUDS 307) (3 cr)
RELG 340. Women in the Biblical World (CLAS, JUDS 340) (3 cr)
RELG 408. Dead Sea Scrolls (CLAS, JUDS 408) (3 cr)
RELG 410. Gnosticism (CLAS 410) (3 cr)
CLAS 331. Ancient Israel (HIST, JUDS 331) (3 cr)
ENGL 341. Judaeo-Christian Literature (3 cr)

Group C. The Study of Religious Traditions

RELG 308. History of Comparative Religion (CLAS, HIST 308) (3 cr)
RELG 332. Jews in the Middle Ages (HIST, JUDS 332) (3 cr)
RELG 350. Literature of Judaism (CLAS, JUDS 350) (3 cr)
RELG 409. The Religion of Late Western Antiquity (CLAS, HIST 409) (3 cr)
CLAS 286. Literature of the Ancient Near East (3 cr)
HIST 218. History of Islam (3 cr)
HIST 219. Introduction to Jewish History (3 cr)
HIST 220. History of Christianity (3 cr)
HIST 421. The Age of Religious Reform, 1300-1650 (3 cr)
MUSC 451. Music and the Church (3 cr)
MUSC 452. Hymnology (3 cr)

Proposed: A minimum of 18 hours in the courses listed in A, B, and C. At least 3 hours must be taken from each area, and at least 9 of those hours must be RELG. At least 6 hours must be above 299.

Justification: Most of the bulletin copy now associated with the minor in Religious Studies has now become part of the emphasis in Religious Studies in the Classics and Religious Studies major, and thus can be deleted from the minor requirements. The minor itself has been slightly revised to conform to the Classics minor.

Item X. Recommendation from the College Curriculum Committee to approve the proposed changes in the majors in Greek and Latin.

Current: Requirements of the Major in Greek

18 hours of courses numbered 300 or above. A minor is required and may be taken in computer science, English, history, Latin, modern languages, or philosophy. A second minor, if chosen, may be any minor offered in the College with the consent of the adviser.

Program Assessment: In order to assist the department in evaluating the effectiveness of its programs, majors will be required:

1. To assemble and maintain a portfolio to include the syllabus and a copy of all written exams and assignments for each course taken for the major above 299.
2. In their senior year, to complete a translation/essay exam.

3. In their senior year, to complete a written exit survey.

The undergraduate adviser will inform students of the scheduling and format of assessment activities. Results of participation in these assessment activities will in no way affect a student's GPA or graduation.

Requirements of the Major in Latin

18 hours of courses numbered 300 or above. A minor is required and may be taken in computer science, English, Greek, history, Medieval and Renaissance studies, modern languages, or philosophy. A second minor, if chosen, may be any minor offered in the College with the consent of the adviser.

Program Assessment: In order to assist the department in evaluating the effectiveness of its programs, majors will be required:

1. To assemble and maintain a portfolio to include the syllabus and a copy of all written exams and assignments for each course taken for the major above 299.
2. In their senior year, to complete a translation/essay exam.
3. In their senior year, to complete a written exit survey.

The undergraduate adviser will inform students of the scheduling and format of assessment activities. Results of participation in these assessment activities will in no way affect a student's GPA or graduation.

Proposed: The Major in Classical Languages **Requirements for the Major in Classical Languages**

21 hours of courses in Latin or Greek numbered 300 or above. At least two courses must be taken in each language. Normally, no more than 6 hours of 399 credit may count towards major requirements. A minor is required and may be any Plan A minor offered by the College with the consent of the adviser.

Program Assessment. In order to assist the department in evaluating the effectiveness of its programs, majors will be required:

1. To assemble and maintain a portfolio to include the syllabus and a copy of all written exams and assignments for each course taken for the major above 299.
2. In their senior year, to complete a translation/essay exam.
3. In their senior year, to complete a written exit survey.

The undergraduate adviser will inform students of the scheduling and format of assessment activities. Results of participation in these assessment activities will in no way affect a student's GPA or graduation.

Justification: In response to the most recent APR of this department, Classics & Religious Studies has undertaken a careful review of its curricula in ancient languages. The APR team pointed out that the Latin and Greek majors as presently constituted unnecessarily reduce the number of students who can reasonably expect to complete one of these majors. In particular, here at UNL, as in most universities across the nation, very few students come to our program already prepared to take intermediate or advanced language courses. Most interested students must begin the Latin or Greek curriculum from scratch (the ratio of those who have had no high school Latin to those who are able to enter 300 level classes is roughly thirty to one). Furthermore, 65% of students who decide to learn Latin or Greek do not enroll in one of our classes until after their first year at UNL. Unfortunately for such students who may wish to major in an ancient language, these programs then require eight semesters to complete, because the courses must be taken sequentially. Thus, 2/3 of students who enroll in Latin or Greek 101 cannot hope to finish a major in one of these subjects without staying at UNL past the fourth year.

NOTE: A more in depth explanation and justification can be obtained in the Dean's office.

Item XI. Recommendation from the College Curriculum Committee to approve the proposed changes to the BS degree for the biological sciences emphasis in the major in environmental studies.

Current: BS Degree-Total Credit Hours: 22-25

BIOC 221(3 cr) or 321 (3 cr) or CHEM 431 (3 cr)

Choose one from List B -Ecology

(For D. Plant Specialty add 476, 482, 485, 588)

Students then select one specialty from:

A. Animal Specialty

BIOS 201. Cell Structure and Function (4 cr)

BIOS 204. Biodiversity (4 cr) BIOS 381 Invertebrate Zoology (4 cr) or BIOS 386 Vertebrate Zoology (4 cr)

Two from List A - Zoology such as:

BIOS 381, 386, 412H, 422, 423, 462, 464, 468, 476, 481, 482, 485, 487, 488, 489, 493, 494

One from List C - Microbiology to include BIOS 312 and 313 or 314; or List D - Plant

B. Ecology Specialty

BIOS 201. Cell Structure and Function (4 cr) or BIOS 301. General Genetics (4 cr)

Three from List B - Ecology such as:

BIOS 406, 436, 450, 454, 455, 457, 458, 459, 462, 463, 470, 472

One from List A - Zoology to include BIOS 112 or 204; or List C - Microbiology to include BIOS 312 and 313 or 314; or List D - Plant

C. Microbiology Specialty

BIOS 201. Cell Structure and Function (4 cr) or BIOS 301. General Genetics (4 cr)

BIOS 312. Fundamentals of Microbiology (3 cr) & 313 Microbiology Lab (2 cr) or 314 Microbiology Lab (1 cr)

Two from List C - Microbiology such as:

BIOS 440, 445, 446, 447, 452, 453, 464 or 473

One from List A - Zoology or List D - Plant

D. Plant Specialty

BIOS 109. General Botany (4 cr) or BIOS 204 Biodiversity (4 cr)

BIOS 201. Cell Structure and Function (4 cr) or BIOS 301. General Genetics (4 cr)

Two from List D - Plant such as:

BIOS 374, 425, 434, 455, 457, 470, 471, 473, 478

One from List A - Zoology or List C - Microbiology to include BIOS 312 and 313 or 314

Proposed: Biology (All of the following)

BIOS 204 (4cr) **OR** BIOS 312 (3cr) and BIOS 314 (1cr) **OR** BIOS 381 (4 cr) **OR** BIOS 386 (4 cr)

BIOS 220/222L (4 cr) **OR** 302 (4 cr)

BIOC 221 (3 cr)

Pick 4 of the following courses from any of the following sections:

Animal

BIOS 412H Honors Human Genetics (3cr)

BIOS 422 Comparative Physiology (3cr)

BIOS 423 Advanced Animal Physiology (3cr)

BIOS 462 Animal Behavior (3cr)

BIOS 464 Fisheries Biology (3cr)

BIOS 468 Field Animal Behavior (4cr)

BIOS 475 Ornithology (3cr)

BIOS 476 Mammalogy (3cr)

BIOS 481 Helminthology (4cr)

BIOS 482 Field Entomology (4cr)

BIOS 485 Aquatic Insects (3cr)

BIOS 487 Field Parasitology (4cr)

BIOS 488 Natural History of Invertebrates (4cr)

BIOS 489 Ichthyology (4cr)

BIOS 493 Herpetology (4cr)

Ecology

BIOS 406 Insect Ecology (3cr)

BIOS 436 Quaternary Ecology and Climate (3cr)

BIOS 450 Biology of Wildlife (4cr)

BIOS 454 Population and Community Ecology (4cr)

BIOS 455 Great Plains Flora (4cr)

BIOS 457 Ecosystem Ecology (4cr)

BIOS 458 Wetlands (4cr)

BIOS 459 Limnology (4cr)

BIOS 462 Animal Behavior (3cr)

BIOS 463 Experimental Methods in Animal Behavior (3cr)

BIOS 470 Prairie Ecology (4cr)

BIOS 472 Evolution (4cr)

Microbiology

BIOS 440 Microbial Physiology (3cr)

BIOS 445/446 Food Microbiology (5cr)

BIOS 447 Soil Microbiology (3cr)

BIOS 452 Introduction to Molecular Virology (3cr)

BIOS 453 Advanced Cell Biology (2cr)

BIOS 464 Fisheries Biology (3cr)

BIOS 473 Freshwater Algae (4cr)

Plant

BIOS 374 Economic Botany (4cr)
BIOS 425 Plant Biotechnology (3cr)
BIOS 434 Plant Biochemistry (3cr)
BIOS 455 Great Plains Flora (4cr)
BIOS 457 Ecosystem Ecology (4cr)
BIOS 470 Prairie Ecology (4cr)
BIOS 471 Plant Taxonomy (4cr)
BIOS 473 Freshwater Algae (4cr)
BIOS 478 Plant Anatomy (4cr)

Justification: We are proposing to simplify the course requirement for the Biology Emphasis of the Environmental Studies Undergraduate major. Currently, students have the option of selecting an Animal Specialty, Ecology Specialty, Microbiology Specialty or a Plant Specialty. However, this has led to a lot of confusions among the undergraduate students and many ad-hoc course changes. We are proposing to simplify this to one Biological Science Emphasis only. All the previous course options are incorporated within this single choice. In addition, we updated the required courses, to include all courses deletion, name changes, and appropriate new course addition that have occurred during the last years. These changes were made in consultation with Bob Kuzelka, Program Director, Environmental Studies.

In addition, we made the following changes as recommended by the School of Biological Sciences curriculum committee

- Added BIOS 312+314 as an option under the biology classes, because this is a prerequisite for the 400 level microbiology classes
- Deleted BIOC 321 and CHEM 431 as options, because both require CHEM 251 and CHEM 252 as prerequisites.

Item XII. Recommendation from the College Curriculum Committee to approve the proposed changes in the major and minor in film studies

Current: Requirements for the Major in Film Studies: The major requires thirty hours of approved courses, with four courses serving as core courses for the Major: English 213E (Film History); English 219 (Film Genre); English 239 (Film Directors) and English 373 (Film Theory and Criticism).

In addition to these required 12 hours of course work, 6 additional hours must be taken from Group A (see below); and 12 hours must be taken from Group B (see below).

Of the thirty hours, 12 hours must be taken at the 300 or 400 level, of which at least 6 hours must be taken at the 400 level. Other courses may be used with the approval of the chief advisor. Students must take courses in at least three departments; no more than 12 hours can be taken in any one department, not counting the core courses. The general education core and electives will be those standard for the College of Arts and Sciences.

All students enrolling in courses offered by the Department of Broadcasting must have at least a 2.5 cumulative GPA. In addition, students wishing to enroll in Department of Broadcasting courses but who are not majoring in Broadcasting must have the written approval of the Department of Broadcasting Chair. Courses in the Department of Broadcasting taken to meet the 18-hour requirement in Film Studies cannot be counted toward completion of the major in Broadcasting. Other Departments may have different policies in this matter; students are advised to check with the Departments in question to determine their policy in this area.

Requirements for the Minor in Film Studies: 18 hours, including at least 12 hours from courses listed in Group A. Students are directed to course listings in Group B for additional course offerings in the Film Studies Minor. Other courses may be used with the approval of the Chief Advisor. Students must take courses in at least three departments; no more than 12 hours can be taken in any one department.

All students enrolling in courses offered by the Department of Broadcasting must have at least a 2.5 cumulative GPA. In addition, students wishing to enroll in Department of Broadcasting courses but who are not majoring in Broadcasting must have the written approval of the Department of Broadcasting Chair. Courses in the Department of Broadcasting taken to meet the 18-hour requirement in Film Studies cannot be counted toward completion of the major in Broadcasting. Other Departments may have different policies in this matter; students are advised to check with the Departments in question to determine their policy in this area.

NOTE: Courses starred with as asterisk (*) are for the major ONLY; all other courses are for either the major or minor in film studies.

Group A:

Art and Art History

161 Beginning Photography (2 cr)
261 Beginning Photography (3 cr)

Broadcasting

*226 Introduction to Broadcasting (3 cr)
*227 Principles of Radio and Television (3 cr)

*269 Field Video Production (3 cr)
369 Cinematography/Videography (3 cr)
*455/855 Broadcast Programming (3 cr)
*458/856 Cable Telecommunications (3 cr)
*461/861 Instructional Television
469 Advanced Cinematography/Videography (3 cr)
473 Broadcast Documentary (3 cr)
*499 Independent Study in Broadcasting (3 cr)

English

209 Film: The Documentary (3 cr)
213E Intro to Film History (3 cr)
219 Film Genre (3 cr)
239 Film Directors (3 cr)
239B Women Filmmakers (3 cr)
259 Writing for Film & TV
269 Film Periods (3 cr)
313B The Film Industry (3 cr)
349 National Cinemas (3 cr)
413/813 Film (3 cr)
439/839 Film Directors (3 cr)
459/859 Writing for Film and TV (3 cr)

*Communication Studies:

*130 Communication Strategies in Society (3 cr)
*198 Special Topics (3 cr)
*200 Introduction to Communication Studies (3 cr)
*211 Intercultural Communication (3 cr)
*280 Communication and Popular Culture (3 cr)
*380 Gender and Communication (3 cr)
*427/827 Instructional Communication (3 cr)
*480/880 Critical and Interpretive Research (3 cr)

Group B:

Art and Art History

262 Intermediate Photography (3 cr)
263 Color Photography (3 cr)
*264 Alternative Photographic Processes (3 cr)
361 Advanced Photography I (2-5 cr)
362 Advanced Photography II (2-5 cr)
*399 Special Topics in Art (3 cr)
461/861 Advanced Photography III (3 cr)
462/862 Advanced Photography IV (3 cr)
483/883 History of Photography (3 cr)
487/887 Photography Since 1960 (3 cr)
*496 Problems in the Studio (3 cr)

Music/Art and Art History/Theatre Arts

388 Arts of the 20th Century: 1900- 1945 (3 cr)
389 Arts of the 20th Century: 1945 to Present (3 cr)

Philosophy

327 Aesthetics (3 cr)
921 Aesthetics Seminar (1-24 cr)

Theatre Arts

112G Introduction to Theatre (3 cr)
114 Basic Acting I (3 cr)
115 Basic Acting II (3 cr)
201 Technical Theatre Practice (3 cr)
202 Play Direction I (2 cr)
203 Play Direction II (1 cr)
223 Intermediate Acting I (3 cr)
224 Intermediate Acting II (3 cr)
401/801 Advanced Acting (3 cr)
409/809 Advanced Projects in Technical Theatre (1-3 cr)

410/810 Stage Lighting I (3 cr)
411/811 Stage Lighting II (3 cr)
412/812 Scene Design I (3 cr)
413/813 Scene Design II (3 cr)
*418 Costume Design (3 cr)
420/820 Problems in Technical Production (3 cr)
431/831 Advanced Playwriting (3 cr)
*481/881 Screenwriting: The Short Script (3 cr)
*482/882 Film Production I (3 cr)
*487/887 Digital Design and Animation (3 cr)
*489/889 Film Production II (3 cr)

Proposed: Requirements for the Major in Film Studies: The major requires thirty hours of approved courses, with four courses serving as core courses for the Major: English 213E (Film History); English 219 (Film Genre); English 239 (Film Directors) and English 373 (Film Theory and Criticism).

In addition to these required 12 hours of course work, 6 additional hours must be taken from Group A (see below); and 12 hours must be taken from Group B (see below).

Of the thirty hours, 12 hours must be taken at the 300 or 400 level, of which at least 6 hours must be taken at the 400 level. Other courses may be used with the approval of the chief advisor. Students must take courses in at least three departments; no more than 12 hours can be taken in any one department, not counting the core courses. The general education core and electives will be those standard for the College of Arts and Sciences.

All students enrolling in courses offered by the Department of Broadcasting must have at least a 2.5 cumulative GPA. In addition, students wishing to enroll in Department of Broadcasting courses but who are not majoring in Broadcasting must have the written approval of the Department of Broadcasting Chair. Courses in the Department of Broadcasting taken to meet the 18-hour requirement in Film Studies cannot be counted toward completion of the major in Broadcasting. Other Departments may have different policies in this matter; students are advised to check with the Departments in question to determine their policy in this area.

Requirements for the Minor in Film Studies: 18 hours, including at least 12 hours from courses listed in Group A. Students are directed to course listings in Group B for additional course offerings in the Film Studies Minor. Other courses may be used with the approval of the Chief Advisor. Students must take courses in at least three departments; no more than 12 hours can be taken in any one department.

All students enrolling in courses offered by the Department of Broadcasting must have at least a 2.5 cumulative GPA. In addition, students wishing to enroll in Department of Broadcasting courses but who are not majoring in Broadcasting must have the written approval of the Department of Broadcasting Chair. Courses in the Department of Broadcasting taken to meet the 18-hour requirement in Film Studies cannot be counted toward completion of the major in Broadcasting. Other Departments may have different policies in this matter; students are advised to check with the Departments in question to determine their policy in this area.

NOTE: Courses starred with an asterisk (*) are for the major ONLY; all other courses are for either the major or minor in film studies.

Group A:

Art and Art History

161 Beginning Photography (2 cr)
261 Beginning Photography (3 cr)

Broadcasting

*226 Introduction to Broadcasting (3 cr)
*227 Principles of Radio and Television (3 cr)
*269 Field Video Production (3 cr)
369 Cinematography/Videography (3 cr)
*455/855 Broadcast Programming (3 cr)
*458/856 Cable Telecommunications (3 cr)
*461/861 Instructional Television
469 Advanced Cinematography/Videography (3 cr)
473 Broadcast Documentary (3 cr)
*499 Independent Study in Broadcasting (3 cr)

English

209 Film: The Documentary (3 cr)
213E Intro to Film History (3 cr)
219 Film Genre (3 cr)
230A Shakespeare (3 cr)
239 Film Directors (3 cr)
239B Women Filmmakers (3 cr)

269 Film Periods (3 cr)
270 Literary/Critical Theory (3 cr)
282 Literature and the Other Arts (3cr)
283 Contemporary Culture (3cr)
313B The Film Industry (3 cr)
315B Women in Popular Culture (3 cr)
349 National Cinemas (3 cr)
413/813 Film (3 cr)
439/839 Film Directors (3 cr)
459/859 Writing for Film and TV (3 cr)

Group B:

Art and Art History

262 Intermediate Photography (3 cr)
263 Color Photography (3 cr)
*264 Alternative Photographic Processes (3 cr)
361 Advanced Photography I (2-5 cr)
362 Advanced Photography II (2-5 cr)
*399 Special Topics in Art (3 cr)
461/861 Advanced Photography III (3 cr)
462/862 Advanced Photography IV (3 cr)
483/883 History of Photography (3 cr)
487/887 Photography Since 1960 (3 cr)
*496 Problems in the Studio (3 cr)

*Communication Studies:

*130 Communication Strategies in Society (3 cr)
*198 Special Topics (3 cr)
*200 Introduction to Communication Studies (3 cr)
*211 Intercultural Communication (3 cr)
*280 Communication and Popular Culture (3 cr)
*380 Gender and Communication (3 cr)
*427/827 Instructional Communication (3 cr)
*480/880 Critical and Interpretive Research (3 cr)

Music/Art and Art History/Theatre Arts

388 Arts of the 20th Century: 1900- 1945 (3 cr)
389 Arts of the 20th Century: 1945 to Present (3 cr)

Philosophy

327 Aesthetics (3 cr)
921 Aesthetics Seminar (1-24 cr)

Justification: The proposed changes will separate Film Studies from film production, which is currently located in the Department of Theatre. Thus, in the proposed course listings below, we have eliminated courses offered in the Theatre Arts Program, to concentrate on Film Studies as a critical, historical and theoretical discipline, rather than a production medium. The major is thus designed for students who wish to ultimately work in academic film studies, and also for those students who wish to understand film better as an art form, as popular culture, and a major medium of communication.

We have also added the following existing English courses to the Film Studies Major: 230A Shakespeare, which deals not only with Shakespeare's texts but also the numerous filmic adaptations of Shakespeare's plays; 270 Literary/Critical Theory, since it neatly complements English course Film Theory 373, and uses many of the same theorists; 282 Literature and the Other Arts, because it deals directly with the intersection between print and the moving image; 283 Contemporary Culture, to highlight film's continuing impact on our lives; and 315B Women in Popular Culture, since the impact of women in the cinema is both historic (the early days of cinema) and contemporary (the current cultural impact of women filmmakers).

We are also shifting the course offerings of Communication Studies, currently listed under Group A in the Film Studies Major, to Group B in the major. These courses have been underutilized as Group A offerings, competing directly with English courses in the Film Studies Major. As Group B offerings, Communication Studies will attract a wider audience, and be more useful to the Film Studies Major.

Item XIII. Recommendation from the College Curriculum Committee to approve the proposed changes to the major in mathematics and statistics.

Current: Requirements of the Major in Mathematics and Statistics

The major in mathematics and statistics must include a complete calculus sequence (MATH 106-107-208 or MATH 106H-107H or the equivalent) and at least 24 hours of advanced courses subject to the following conditions:

1. MATH 221 and MATH 314 must be included.

2. At least three 400-level mathematics or statistics courses other than MATH 496 and MATH 497 must be included.
3. A cumulative grade point average of at least 2.5 must be earned in advanced mathematics and statistics courses.
4. All statistics courses except STAT 218 count as advanced courses.
5. For students in Arts & Sciences College who are also obtaining a teaching certificate from Teachers College, MATH 260 and 350 count as advanced courses and only two 400-level courses are required.
6. Joint computer science/mathematics and statistics majors who take both 441 and 447 may count one of the courses towards both majors and the other towards the major in the department through which the student is registered for the course.
7. For majors with a major or minor in actuarial science who have earned at least a C in both FINA/ACTS 471 and 472, only 21 hours of advanced courses in mathematics and statistics are required.
8. Program Assessment. In order to assist the department in evaluating the effectiveness of its programs, majors will be required in the senior year:
 - a. To complete an exit exam.
 - b. To participate in an exit interview.

The undergraduate adviser will inform students of the scheduling and format of assessment activities. Results of participation in these assessment activities will in no way affect a student's GPA or graduation.

No minor is required, but a minor field of study in which mathematics or statistics is of recognized importance is strongly recommended.

Requirements for the Minor in Mathematics and Statistics

Plan A. A complete calculus sequence plus two advanced courses.

Plan B. A complete calculus sequence.

Pass/No Pass. For majors or minors, no calculus course can be taken pass/no pass. For the major, at most 3 of the 24 hours of advanced courses may be taken on a pass/no pass basis. For Plan A minor, one advanced course may be pass/no pass if approved by the student's major department.

Prerequisites: The prerequisites listed for a course may be replaced by equivalent preparation. A prerequisite for all advanced courses is successful completion of the calculus sequence MATH 106-107-208 (MATH 106H-107H). Additional or specific prerequisites may also be listed. Two courses past calculus are required for all 400-level mathematics courses. Prerequisites for 400-level statistics courses are given with the descriptions. All topics, independent study, reading courses, and seminars require permission before registering. Students with special circumstances in their preparation should confer with the chief adviser or vice chair for guidance in selecting the proper course.

NOTE: Persons with previous credit in any calculus course may not register for or earn credit in MATH 100A, 101, 102, 103, or 104, without first receiving special written permission from the vice chair.

Proposed: A strong mathematics background is essential to an increasing variety of careers. The Department of Mathematics encourages students to select a coherent body of courses in mathematics and in other disciplines that are consistent with their academic goals.

The Department of Mathematics offers four options for the major in mathematics. Each student majoring in mathematics should select an option that meets their academic needs by completing a Program Declaration form in consultation with the Department's Chief Undergraduate Advisor. Ideally, this should be done prior to completing two mathematics courses beyond the calculus sequence. As appropriate, students can change their Program Declaration to select a different option or modify the program of study subject to the approval of the Chief Undergraduate Advisor.

All options for the mathematics major require:

A complete calculus sequence: Math 106-107-208, or 108H-109H, or equivalent.

Twenty-four hours (8 courses) selected from the Advanced Mathematics Course List.

A minimum cumulative GPA of 2.5 in those courses used to satisfy the Advanced Mathematics course requirements.

An approved Program Declaration form.

Program Assessment: In order to assist the Department in evaluating its program, all majors should plan to participate in

- a) an exit interview and
- b) an exit exam

during their last semester before graduation. Please make arrangements with the Chief Undergraduate Advisor.

Option C (Concentration)

This option is ideal for students wishing to combine a strong mathematics education with a coherent body of coursework in another discipline. Specific requirements above calculus are as follows:

The 8 required mathematics courses must be distributed as follows:

- Math 314
- Either Math 221 and/or Math 380
- Either Math 310 and/or Math 325
- 5 additional Advanced Mathematics Courses, including At least 3 Advanced Mathematics Courses at the 400-level
- Two additional Advance Mathematics Courses

Any Plan A minor or an approved 18-hour concentration outside of mathematics.

Note: One 400-level course in the area of the concentration may be substituted for one of the required 400-level Advanced Mathematics Courses, provided the course makes significant use of advanced mathematics. The Chief Undergraduate Advisor must approve the substitution.

Option E (Education)

This option is ideal for students interested in teaching mathematics at the secondary level. Specific requirements above calculus are as follows:

- Math 221, 314, 380, 310, 350, 405, 407, 408
- An education minor or an approved 18-hour concentration in education.

Option R (Research Experience)

This option is recommended for students interested in independent work and for students planning to pursue graduate work in mathematics. Specific requirements above calculus are as follows:

The 8 required mathematics courses must be distributed as follows:

- Math 221, 314, 310, and 325
- At least 3 4 additional Advanced Mathematics Courses, including Advanced Mathematics Courses at the 400-level
- One more Advance Mathematics Course

An approved undergraduate research experience. A variety of options exist for meeting this requirement. They include (i) research experiences such as an REU or UCARE that leads to a project paper, (ii) a senior honors thesis or a thesis approved for graduation with distinction, or (iii) a grade of P in Math 496, Undergraduate Research Seminar (this course would be in addition to the advanced Advanced mathematics Mathematics courses Courses requirement above). To satisfy this requirement, students must file with the Chief Undergraduate Advisor (a) a "Research Experience" contract that is approved by the Chief Undergraduate Advisor and (b) the thesis, research papers, or projects as required by the contract. Visit with the Chief Undergraduate Advisor for more information.

Option S (Statistics)

This option is recommended for students interested in a mathematics major and a strong body of course work in statistics.

Specific requirements above calculus are as follows:

The 8 required mathematics courses must be distributed as follows:

- Math 314 and Math/Stat 380
- Math 310 and/or 325
- 4 additional A total of 7 Advanced Mathematics Courses, including 2 At least 3 Advanced Mathematics Courses at the 400-level. Note: For the purpose of this requirement, one 400 level statistics course may be substituted for one 400 level Advanced Mathematics Course
- Note: One 400-level statistics course can be counted as a 400-level Advanced Mathematics C
- Two more Advanced Mathematics Courses

An additional 9 hours of statistics at the numbered 300 or above level in addition to Math/Stat 380 or above including one 400-level statistics course.

Note: Under any option, students may substitute a more advanced course in the same area for a required mathematics course. Interested students should visit with the Chief Undergraduate Advisor for more information about this option.

Requirements for the minor in Mathematics

Plan A: A complete calculus sequence plus 2 advanced mathematics courses.

Plan B: A complete calculus sequence.

Pass/No Pass. For majors or minors, no calculus course can be taken pass/no pass. (Students in violation of this should consult with the Chief Undergraduate Advisor for possible alternative requirements.) For majors or minors, at most 3 hours of the Advanced Courses may be taken as pass/no pass.

Prerequisites. The prerequisites listed for a course may be replaced by equivalent preparation. One prerequisite for all Advanced Mathematics Courses is successful completion of Math 106-107-208 (or 108H-109H) or equivalent. Additional specific prerequisites, if any, are listed with the course. Two courses past calculus are required prerequisites for all 400-level mathematics courses. All topics, independent study, reading courses and seminars require the permission of the instructor before registering; and these courses do not count toward the major requirements unless approved by the Chief Undergraduate Advisor.

Note: Students with previous credit in any calculus course may not register for or earn credit in Math 100A, 101, 102, 103, or 104, without first receiving special written permission from the Chief Undergraduate Advisor.

Graduate Work. The advanced degrees of Master of Arts, Master of Science, Master of Arts (or Science) for Teachers, and Doctor of Philosophy are offered by the Department of Mathematics. For details of these programs, see the *Graduate Studies Bulletin*.

Justification: Introduction: The last time we made any significant change in our program was in 1986. Those changes reflected the need to allow more breadth to the major by replacing the “one 400-level sequence” requirement with “three 400-level courses” and by allowing some course work in computer science and actuarial science to count toward the mathematics major. Hindsight indicates that was the right change for that time. The proposed changes will continue in this direction of breadth and inclusiveness. The changes that the proposed requirements make in the current requirements are summarized as:

Proposed verses Current

- Emphasize early academic planning with a choice of 4 major options
- Increase the selection in the required course list
- Expand the ability to apply one advanced technical course outside the Department toward the major requirement
- Require a proof theory course
- Require a research or capstone experience (in two options)

It is important to note that bullets 1, 3, and 4 reflect what we have been informally encouraging students to do, with considerable success, on an individual basis. Bullets 2 and 3 actually add more choices to our current requirements.

Rationale: The age of technology has increased the need and use of mathematics in both the sciences and the social sciences from engineering to biotechnology to operations analysis to financial investment strategies. As a result, today’s students can, and often should, combine their interest in mathematics with their interest in other disciplines instead of having to choose one over the other. In graduation exit interviews, majors have suggested that the Department should do more to help students explore these options. The Mathematical Association of America’s (MAA) Committee on the Undergraduate Program in Mathematics (CUPM) just released the draft of its report, which was funded by the National Science Foundation. It strongly encourages departments to be more inclusive and offer more support to students who want to combine mathematics with other interests. (See <http://www.maa.org/cupm/> .)

The proposed requirements – while still offering the thorough foundation needed for students planning on graduate studies in mathematics – strongly support those students who may want to combine their interests in mathematics with other interests. We will start early by counseling new majors on the main paths for an undergraduate mathematics major, then ask them to make an initial commitment on their path of choice (this can be changed at any time with little, if any, adverse effects), and then help them select courses both in and outside the department that support their interests. The four major options are: Concentration (C), Education (E), Research (R), and Statistics (S). Except in Option R, students will be able to apply one advanced course outside of mathematics that makes significant use of mathematics toward their mathematics major; thus, making it easier to double major with mathematics as one major. Currently we do this only for Computer Science and Actuarial Science majors. All majors will be required to have at least one course that makes significant use of mathematical proofs, a major component of mathematical problem solving strategies. Students in Options E and R will be required to have a research or capstone experience. While majors in the other two options will also be encouraged to have such an experience, there may be other more appropriate academic and career choices for them.

Mathematics education at the K-12 level is going through significant changes. Mathematics teachers are being asked to know and teach more mathematics to all their students. The MAA is asking mathematics departments to get more involved with their education counterparts in the education of mathematics teachers. The CUPM draft report referenced earlier underscores this point and strongly recommends a capstone sequence that synthesizes the many distinct mathematical courses into a coherent topic around what the students will be teaching in the 9-12 curriculum. The proposed education option (Option E) of our major follows these recommendations. We propose eliminating Math 260 and replacing it with two, new capstone courses, Math 407-408, designed to give prospective teachers a much deeper understanding of the mathematics that they will actually be teaching. Professor David Fowler in Teachers College, the coordinator of the secondary mathematics education program, is in full support of our recommendations and has submitted a request to their curriculum committee to approve dropping Math 260 and adding Math 407-408 to the required courses for the secondary mathematics endorsement program. A copy of his email to this effect is attached. Professors Woodward and Fowler actually taught a sample of 407 with a bit of 408 as an overload to our normal assignments under the title Math 496/896, High School Mathematics from an Advanced Perspective, in the fall of 2001. Professor Woodward was also a member of the advisory board for the authors of the text used and Professor Fowler has made several conference presentations on the benefits of this sequence. The request for Curriculum Committee approval of these courses is attached. We expect this new option together with more cooperation with Teachers College will increase the number of students going into secondary mathematics education.

The Department of Mathematics and Statistics split into two departments on July 1, 2003. The new Department of Statistics does not have an undergraduate major, but they will be continuing at least 5 senior level undergraduate courses. They have expressed full support of our efforts to have a statistics option to our major.

Effect on Majors: 48 students have graduated with a BS or BA degree in Mathematics during the graduation periods May 2002, August 2002, December 2002, and May 2003. Only 10 would not have met the new requirements. Two of these missed just the requirement of a proof theory course. They had a GPA over 3.9 and could have easily met this requirement. Five did not have a

concentration and did not have an acceptable research experience. They would have benefited from a program that asked them to plan either for a concentration or a research component. The remaining 3 would have been under option E. Two of these volunteered and took our one semester experimental capstone experience and, I suspect, would have taken the second semester had it been offered; the third did not have the opportunity to take the course. We are prepared to teach the education capstone experience in a seminar setting if we do not attract enough students to allow it to run as a normal course.

Item XIV. Recommendation from the College Curriculum Committee to approve the proposed new minor in statistics.

Proposed: Requirements of the minor in statistics

STAT 462 and 463 and at least 12 hours from the following: STAT 380, 412, 414, 450, 494, or 496. Alternative classes may be substituted if approved by the Department of Statistics curriculum committee.

Pass/No pass. Classes taken for a minor in statistics may not be taken P/N.

Justification: There are two primary justifications for an undergraduate minor in statistics.

1. The former Dept. of Mathematics and Statistics had three minor options. One of them was an "Applied Mathematics and Statistics" option. When Statistics separated from Math, the majority of the required courses for this option went with Statistics. So the proposed minor in essence restores this option, but with a strengthened statistics component.
2. Statistics is of central importance to a wide variety of Arts and Sciences disciplines. Statistical methodology is critical to research in biological and social science. Management draws heavily on statistical methods and statistical thinking -- entire areas of management for quality improvement have their roots in the work of Deming et al, statisticians who applied the discipline to management and quality improvement issues. Statistical methods are increasingly involved in legal issues, e.g assessing DNA evidence in criminal trials, risk assessment in product liability litigation, etc. These are just some examples. The main point is that statistics is a natural complement to many Art & Sciences majors. A minor in statistics increases a graduate's standing in the job market and is a valuable asset for those who go on to pursue advanced degrees. Additionally, many of the top statisticians in the world today were quantitatively talented students whose undergraduate majors were in areas other than math or statistics, but who had a strong exposure to statistical theory and methods.
3. Many high school students choosing between UNL and other potential undergraduate institutions will regard the availability of a statistics minor as a plus if it is available at UNL and a minus otherwise.