Summary of Proposed Curriculum Revisions

Ouachita Baptist University
January 2019

The faculty approved these curriculum revisions at a faculty/staff assembly on January 14, 2019.

[Humanities](#) | [Natural Sciences](#)

The <mark>short form</mark> notation indicates informational level curriculum revisions submitted on the Curriculum and Academic Standards Committee's short form, which addresses course title changes, course time offering changes, and non-substantive changes to course content and/or descriptions. These short form revisions will NOT be brought to the faculty for discussion or a vote unless questions are raised before the faculty meeting.

Humanities

B.A. in Spanish and BSN Double Major	**Proposed Change** Offer a double major in Spanish and Nursing. **Rationale** Nursing students wishing to expand their employment opportunities and ability to build trusting relationships with more patients may opt to add the Spanish major offered by this degree plan. **Catalog Entry** The BSN in Nursing is offered as a double major with the BA in Spanish. This is a 154- to 157-hour program that usually takes five years to complete. The 25 hours required for the BA in Spanish are integrated into the first three years of resident classes at OBU. Suggested Course Sequence and Dual Enrollment Program Plan of Study for the Double Major of BA in Spanish and BSN OBU-R = Ouachita Residential OBU-O = Ouachita Online BHCLR = Baptist Health College Little Rock YEAR 1: Semester 1 CORE 1043 Composition 1 (OBU-R) CHEM 1004 Fundamentals of Chemistry (OBU-R) CORE 1113 Survey of the Bible BIOL 1014 General Biology I (OBU-R)

SPAN 1013 Elementary Spanish I (OBU-R)
Chapel (OBU-R)
Total Hours: 17

YEAR 1: Semester 2
ENGL 3013 Technical & Professional Writing (OBU-R)
SPAN 1023 Elementary Spanish II (OBU-R)
CORE 1123 Interpreting the Bible (OBU-R)
CORE 1023 Contemporary World (OBU-R)
MATH 1003 College Algebra (OBU-R)
Chapel (OBU-R)
Total Hours: 15

YEAR 2: Semester 1
SPAN 2033 Intermediate Spanish I (OBU-R)
BIOL 2014 Anatomy & Physiology I (OBU-R)
MSSN 4313 Intercultural Communication (OBU-R)
PSYC 1013 General Psychology (OBU-R)
PSCI 2013 or HIST 2003 or HIST 2013 (Civic Engagement Menu) (OBU-R)
Chapel (OBU-R)
Total Hours: 16

YEAR 2: Semester 2
BIOL 2024 Anatomy & Physiology II (OBU-R)
SPAN 2043 Intermediate Spanish II (OBU-R)
FINA 3113 or FINA 3123 OR FINA 3133 (Artistic Engagement Menu) (OBU-R)
CORE 2213 Western Civilization in a Global Context
CORE 2233 World Literature (OBU-R)
Chapel (OBU-R)
Total Hours: 16

YEAR 3: Semester 1
BIOL 2604 Applied Microbiology (OBU-R)
SPAN 3133 Advanced Grammar and Composition (OBU-R)
SPAN 4133 Hispanic and Latin American Culture and Civilization (OBU-R)
NURS 3xx3 Theories in Nursing (OBU-R)
Elective (3 hours) (OBU-R)
Chapel (OBU-R)
Total Hours: 16

YEAR 3: Semester 2
NURS 3xx3 Issues and Ethics (OBU-R)
NURS 3xx3 Informatics in Health Care (OBU-R)
Elective (3 hours) (OBU-R)
SPAN 4703-4793 Topical Seminars (6 hours)* (OBU-R)

FINA 4011 Fine Arts Engagement Series Review (OBU-R)
Chapel (OBU-R)
Total Hours: 16

[*One Topical Seminar may substitute for CORE 2233 World Literature.]

YEAR 4: Semester 1
NSG 1010 Adult Nursing I (BHCLR)
NSG 1002 Pharmacology I (BHCLR)
NURS 3xx3 Evidence-Based Nursing Research (OBU-O, first 8 weeks)
Total Hours: 15

YEAR 4: Semester 2
NSG 2107 Adult Nursing II (BHCLR)
NSG 2104 Mental Health (BHCLR)
NSG 2004 Women's Health (BHCLR)
NSG 2004 Pharmacology II (BHCLR)
NURS 3xx1 Seminar: Applying Evidence-Based Nursing Research (OBU-O, first 8 weeks)
Total Hours: 17

YEAR 5: Semester 1
NSG 2207 Adult Nursing III (BHCLR)
NSG 2204 Children's Health (BHCLR)
NSG 2201 Pharmacology III (BHCLR)
NURS 4xx3 Advanced Health Assessment (OBU-O, second 8 weeks)
Total Hours: 15

YEAR 5: Semester 2
NURS 4xx3 Health Care Physiology (OBU-O, first 8 weeks)
NURS 4xx4 Community Health (OBU-O, first 8 weeks)
NURS 4xx4 Leadership and Management in BSN practice (OBU-O, second 8 weeks)
NURS 4xx3 Transcultural Nursing (OBU-O, second 8 weeks)
NURS 4xx1 Capstone (OBU-O, second 8 weeks)
Total Hours: 14

Summary of Credit Hours for BA in Spanish and BSN
CORE courses and prerequisites = 54 or 57 hours
Spanish major = 24 hours
Electives = 6
BHCLR nursing courses = 40
Ouachita nursing courses = 30

Total = 154 or 157

Natural Sciences

BIOL 4033 Aquatic Ecology	**Proposed Changes** Delete BIOL 4033 Aquatic Ecology. **Rationale** Turnover and a lack of interest in teaching the course prompted this change. **Catalog Entry** Remove the course description from the catalog. Delete the course from the major in Environmental Studies requirements. Requirements for a major in Environmental Studies: BIOL 1014, 1024, 3023, 3034, and 3663; 3014 or 4054, 3021, one course from 4601 or 4501-2; NSCI 3202; CHEM 1004 & 1014 or 1024 & 1034; MATH 2063, SOCI 1003, 3043; PSCI 2013, 4033 or 4043; ENGL 3013; FINN 2003, 4043; ECON 1013; MGMT 3043 or BUAD 3003; PHIL 1003 or 1023; LST 3013. Recommended electives: COMM 1003; any CHEM, MATH, or PHYS course; LST 2013.
B.S. in Biomedical Sciences Requirements	**Proposed Changes and Rationale** Change the Biomedical Sciences degree requirements as follows: • Remove "BIOL field course" from the menu "one course from BIOL 3064, BIOL 4013, BIOL 4243, or a BIOL field course." This course does not provide the same level of health professions training as do the other courses on the menu. • Add CORE 2053 Composition II as a College Writing 2 option in addition to ENGL 3013 Technical and Professional Writing. Biomedical Sciences students are required to have at least six hours of college credit prior to entering OBU. Many of these students come in with credit for Composition II. Thus, we have been accepting Composition II as a substitute for ENGL 3013 Technical and Professional Writing. This change will clarify that either course will satisfy the College Writing 2 requirement. • Create a new course, BIOM 4xx1 Biomedical Sciences Experiences, and add it to the degree requirements. Biomedical Scholars students are required to complete both coursework and experiences to earn a degree. Completion of the experiences must be communicated to the Registrar's office prior to the awarding of degrees. Because experiences have not been listed on students' degree plans, this communication was not standardized. The proposed new course BIOM 4xx1 Biomedical Sciences Experiences will represent the completion of these required experiences, making dean and graduation checks more straightforward.

- Add an approval phrase to the Study Abroad requirements that reads "participate in an approved study-abroad experience (taking courses at an international university is strongly suggested)." In order to allow Biomedical Scholars students to participate in the European Study Tour, international coursework is strongly suggested but is not required. The current phrasing could be interpreted to allow non-academic international trips to fulfill the study abroad requirement, which is not the intent of the program. Including the qualifier "an approved" would clarify that all international trips may not satisfy the study abroad requirement.

Catalog Entries

Requirements for Biomedical Scholars Program, Chemistry Option (B.S. degree in Biomedical Sciences with a minor in Chemistry): BIOM 1242, BIOL 2014 and 2024, BIOL 3683, BIOM 3681 (taken twice for credit), BIOL 4002, BIOL 4054, BIOL 4341; one course from BIOL 3014 or BIOL 4064; one course from BIOL 3064, BIOL 4013, or BIOL 4243; one course from BIOM 4563 or BIOM 4643; BIOM 4xx1. A minor of at least eighteen hours must be completed in Chemistry. Additionally, the following courses are required: CORE 2053 or ENGL 3013; one course from MATH 2014 or MATH 2063; NSCI 2001, NSCI 4002; PHYS 2024 and 2034 or PHYS 2054 and 2064; one course from PSYC 1013 or SOCI 1003; one course from PSYC 3013, 3093, or SOCI 4073; SERV 2000 (two semesters required). Further, students must participate in a prematriculation Biomedical Sciences Bootcamp, participate in an approved study-abroad experience (taking courses at an international university is strongly suggested), have 120 hours of clinical shadowing, prepare and deliver one on-campus and one off-campus research presentation, and apply for at least two off-campus summer research positions.

Requirements for Biomedical Scholars Program, Physics Option (B.S. degree in Biomedical Sciences with a minor in Physics): BIOM 1242, BIOL 2014 and 2024, BIOL 3683, BIOM 3681 (taken twice for credit), BIOL 4002, BIOL 4054, BIOL 4341; one course from BIOL 3014 or BIOL 4064; one course from BIOL 3064, BIOL 4013, or BIOL 4243; one course from BIOM 4563 or BIOM 4643; BIOM 4xx1. A minor of at least eighteen hours must be completed in Physics. Additionally, the following courses are required: CHEM 1004 and 1014; CORE 2053 or ENGL 3013; one course from MATH 2014 or MATH 2063; NSCI 2001, NSCI 4002; one course from PSYC 1013 or SOCI 1003; one course from PSYC 3013, 3093, or SOCI 4073; SERV 2000 (two semesters required). Further, students must participate in a pre-matriculation Biomedical Sciences Bootcamp, participate in an approved study-abroad experience (taking courses at an international university is strongly suggested), have 120 hours of clinical shadowing, prepare and deliver one on-campus and one off-campus research presentation, and apply for at least two off-campus summer research positions.

BIOM 4xx1. Biomedical Sciences Experiences.
Credit for this one-hour course is granted on completion of all Biomedical Sciences degree experiences, specifically a) the Biomedical Sciences Bootcamp, b) 120 hours of clinical shadowing, c) a study abroad experience (taking courses at an international university is strongly suggested), d) application to two off-campus summer research positions, and e) delivery of one off-campus research and one on-campus research presentation. Completion of

	these experiences will be documented by submission of an annual report and/or online portfolio. This course will be graded on a Satisfactory/Unsatisfactory basis. There will not be a regular class meeting for this course. Overload charges will be waived for this course. Spring.
Mathematics Curriculum Revisions	**Proposed Changes and Rationale** In response to its recent program review, the Mathematics and Computer Science Department proposes the following changes to the Mathematics curriculum: • Revise the Mathematical Scholarship course to focus on mathematical modeling. One of the key conclusions reached in our recent program review was that we should change our mathematics curriculum from one focused on preparation for graduate school to one focused on applied mathematics. This means that we need to address mathematical modeling. We will address continuous models in the Calculus sequence; the project-based focus of the Mathematical Scholarship course makes it an ideal place to focus on discrete models, since most students will want to focus on discrete topics for the senior projects. • Add a new course, MATH 3xx3 Applied Linear Algebra. Another conclusion from our program review, prompted by recommendations from our professional organizations, was to increase the amount of linear algebra in our offerings and to reduce pre-requisite barriers to this content. We have, for example, witnessed multiple occasions in recent years where a physics major was interested in taking our Linear Algebra course, but was unable to do so because of not meeting the pre-requisite of having first completed our course in mathematical proof. Additionally, experts in the field are pushing for a slightly different set of topics for students planning to work in industry. Thus, in addition to increasing and/or drawing attention to the linear algebra content in the Cryptology, Calculus, and Differential Equations courses, we are adding an Applied Linear Algebra course – this course will remove the abstract vector space theory from our traditional Linear Algebra course and replace it with topics like factorization, diagonalization, and singular values, along with a broader array of applications. This will allow us to reduce the pre-requisites for the course and open it up to students who have not taken the proofs course. Our students earning a B.A. in Mathematics (including Secondary Education majors) will continue to take the traditional proof-based Linear Algebra, but students pursuing the B.S. in Applied Mathematics will instead take the Applied Linear Algebra course. We expect this will make for smaller enrollments in each linear algebra course, but both should still be large enough to be sustainable on an every-other-year schedule. We anticipate the recruiting potential of the applied degree and the increased accessibility of the Applied Linear Algebra course will result in more linear algebra students overall between the two courses than we have experienced in offering just the one proof-oriented course.

Students will not be able to earn credit towards graduation for both linear algebra courses. We will rewrite the course description for MATH 3093 in order to emphasize the differences between the two courses.

- Change the title and pre-requisites for MATH 2073.
  An earlier proposal revamped MATH 1073 Discrete Mathematics I into a new course MATH 1XX3 Introduction to Cryptology. MATH 2073 Discrete Mathematics II has MATH 1073 as a pre-requisite and would look a little strangely named without a Discrete Mathematics I. Thus, we wish to drop the ordinal, renaming MATH 2073 as simply Discrete Mathematics, and we change the pre-requisite from 1073 to the new course 1XX3.

- Change the time offering of these courses:
  - Change MATH 2063 from Fall, Spring to just Spring. Fall enrollments have been less than half those of the spring enrollments, and small classes are actually a detriment to the hands-on simulation approach used in the course. We will eliminate the fall course and increase the enrollment limit on the spring class to compensate, which should result in a more effective instructional environment for the course.
  - Change MATH 3043 Differential Equations from Fall of odd years to Spring of even years. Physics requested this change, as it sequences better with their required courses.
  - Change MATH 3003 Geometry from Spring of odd years to Spring of even years. Change MATH 3063 Prob/Stats from Spring of even years to Spring of odd years. These two courses are being swapped in the schedule so that Differential Equations and Prob/Stats will be offered in different spring semesters.
  - Change MATH 3083 History of Mathematics from Fall of odd years to Fall 2019 (and then delete from 2020-2021 catalog). We will no longer require the History of Mathematics course for the secondary mathematics majors, and they were the primary audience for this course. It will be offered for the last time in Fall 2019.
  - Change MATH 4023 Intro Real from Spring of odd years to On Demand. Under our redesigned degrees, this course will no longer be a required course. We do still hope to offer it (and some additional upper level electives) under a joint arrangement with the Henderson Math faculty.
  - Change MATH 4463 Mathematical Scholarship from Spring to Fall. One goal for this course is to have students complete a senior project and be able to present it at a regional meeting in early April. We have found that there is not really enough time for this to be done well in a spring course. Moving the course to the fall allows the student to get most of their work done in that semester and then polish their work and prepare for the talk during the beginning of the spring semester. Additionally, the bulk of the department's mathematics program assessment takes place in the Mathematical Scholarship course. Because of student teaching, it has not been possible for our math ed majors to take the Scholarship course, and so we have not been able to collect the same data on them that we do on the rest of our majors. Moving the Scholarship class to the fall semester allows us to collect program

   assessment data on all of our graduating seniors.
- o Change MATH 4883 Math for Secondary from Fall of even years to Spring of odd years. One of the goals of this course is to help students prepare for the Praxis II exam. We want to move this course earlier in the curriculum so that students have multiple opportunities at the exam after taking this course.

- Delete MATH 1013 Trigonometry, MATH 1063 Business Calculus, and MATH 1103 Special Topics in Mathematics.
  These courses have not been offered in a long time and are unlikely to be offered for the foreseeable future. There is no reason for them to be in the catalog.

- Change the requirements for the B.A. in Mathematics.
  One of the findings of our program review was that students arriving at our capstone course could have very little foundational coursework in common. As a result of this, we identified a six-course math core (The new Cryptology course, Calculus 1 and 2, Proofs, Abstract 1, and Scholarship) that will be required of all mathematics majors. The B.A. will then additionally require our traditional Linear Algebra course and 9 additional junior/senior hours, for a total of 32 hours. This degree should make a good option for students wanting a liberal arts approach to mathematics or to pair mathematics with a second major outside of the natural sciences. When paired with the education minor, this also make an excellent fallback option for secondary mathematics students who are unable to meet the requirements for student teaching.

- Change the requirements for the B.S. in Applied Mathematics.
  Another conclusion arising from our program review was that we should stop designing our program around preparation for graduate school in mathematics, since such a very small percentage of our students were pursuing graduate studies in mathematics. Instead, we have decided to redirect our program towards applied mathematics. Students will take the math core listed above, but with the new Applied Linear Algebra course, Calculus III, and a choice of DiffEq or Prob/Stats. They will then have 6 hours of junior/senior electives, as well as Programming 1 and either Gen Chem 1 or Univ Physics 1. (Total of 36 hours of math, 8 hours of area reqs.)

  This new degree will well prepare a mathematics major for a career outside of academia, but with well-chosen electives would also prepare a student for graduate studies. The applied focus would also pair well with one of the natural sciences (especially physics or computer science) as a second major.

- Delete the B.S. in Mathematics.
  We believe that the bulk of the students interested in a B.S. would be more interested in applied mathematics. Furthermore, we dug into the data from the initial Hanover report, and applied mathematics, while not one of their top recommendations, was a discipline that represented an area of potential growth. We therefore believe that there could be some recruiting benefits to focusing only on applied mathematics. Finally, if we

were to retain this option, we would almost certainly need to retain the requirements of Real Analysis and/or Abstract 2, which brings us back to offering courses to only 2 or 3 students every other year, which is probably not the best use of our faculty loads. Thus, for the time being, we believe it would be best to eliminate the option of a B.S. in Mathematics.

Catalog Entries
Delete the section titled Requirements for a B.S. in Mathematics

Change Requirements for a B.A. in Mathematics to:
MATH 1XX3, 2014, 2024, 2343, 3053, 3093, 4463, and nine additional Junior-Senior hours in Mathematics. CSCI 1044.

Change Requirements for a B.S. in Applied Mathematics to:
MATH 1XX3, 2014, 2024, 2343, 3034, 3053, 3XX3, 4463; either 3043 or 3063; and six additional Junior-Senior hours in Mathematics. CSCI 1044; CHEM 1004 or PHYS 2054

(Note: MATH 1XX3 is the new Introduction to Cryptology course that is replacing MATH 1073 Discrete Math 1. This new course was proposed in a separate proposal submitted before this one.)

Delete the courses MATH 1013, MATH 1063, and MATH 1103 from the catalog.

Change the time of offering for MATH 2063 from Fall, Spring to Spring.

Change the title of MATH 2073 from Discrete Mathematics II to Discrete Mathematics, and change the pre-requisite from MATH 1073 to MATH 1XX3.

Change the time of offering for MATH 3003 from Spring of odd-numbered years to Spring of even-numbered years.

Change the time of offering for MATH 3043 from Fall of odd-numbered years to Spring of even-numbered years.

Change the time of offering for MATH 3063 from Spring of even-numbered years to Spring of odd-numbered years.

Change the time of offering for MATH 3083 from Fall of odd-numbered years to Fall 2019 only, and then delete the course from the 2020-2021 catalog.

Change the course description of MATH 3093 to the following:
A proof-based study of vectors, matrices, and vector spaces. Topics include linear systems, matrix algebra, determinants, abstract vector spaces, eigenvalues and eigenvectors, and orthogonality. A student may not earn graduation credit for both MATH 3093 and MATH 3XX3. Prerequisite: MATH 2343. Fall of odd-numbered years.

	Add the following course: MATH 3XX3. Applied Linear Algebra. A study of vectors, matrices, and their applications. Topics include linear systems, matrix algebra, matrix factorizations, real vector spaces, determinants, eigenvectors and eigenvalues, orthogonality and least squares, diagonalization, and the singular value decomposition. A student may not earn graduation credit for both MATH 3XX3 and MATH 3093. Prerequisite: MATH 2024 or MATH 2073. Spring of even-numbered years. Change the time of offering for MATH 4023 from Spring of odd-numbered years to On demand. Change the course description and time of offering for MATH 4463 as follows: MATH 4463. Mathematical Scholarship. Students will engage in independent learning activities, reading of technical literature, and communication of mathematical results in both written and oral form. Assignments will focus on the connection of mathematics to the liberal arts, on the historical development of mathematics, and on the use of mathematical models to solve applied mathematics problems. This work will lead to a senior project suitable for presentation at a professional conference. Prerequisite: Senior standing or consent of instructor. Fall. Change the time of offering for MATH 4883 from Fall of even-numbered years to Spring of odd-numbered years.
B.A. in Middle School Education (Mathematics Emphasis) Requirements	**Proposed Changes** • Remove MATH 2053 Mathmatics for Middle School Teachers I and MATH 3313 Mathematics for Middle School Teachers II from the catalog. • Change the time of offering for MATH 4113 Methods in Middle School Mathematics from Fall of even-numbered years to Fall 2019 only, and then delete this course from the 2020-2021 catalog. • Add the following courses: MATH 2XX3 Number Sense and Operations for Middle School Teachers, MATH 3XX3 Geometry and Algebra for Middle School Teachers, and MATH 3YY3 Probability, Data Analysis, and Computing for Middle School Teachers. • Change the requirements for the B.A. in Middle School Education. **Rationale** During the summer of 2018, the Arkansas Department of Education revised the list of competencies for middle school teachers, changing some of the mathematics competencies and adding a new set of computing competencies. Additionally, the mathematics faculty were concerned that the existing curriculum did not do an adequate job of addressing algebra competencies. In response, OBU Mathematics and Education faculty met to decide the best way to address these issues. After reviewing the revised competencies and our proposed changes to the elementary curriculum, we determined that the proposed sequence of courses will best allow us to effectively and efficiently cover all of the required competencies.

Note: MATH 1XX3 Introduction to Cryptology is a redesign of the existing MATH 1073 Discrete Mathematics I course. It will cover the same mathematical content but in a different sequence, using cryptology as the narrative theme for the course instead of as the concluding applications. This change is being submitted as part of the proposal for changes to the mathematics degrees.

Catalog Entries
Remove MATH 2053 and MATH 3313 from the catalog.

Change the time of offering for MATH 4113 from Fall of even-numbered years to Fall 2019 only, and then delete this course from the 2020-2021 catalog.

Add the following courses:
MATH 2XX3 Number Sense and Operations for Middle School Teachers
An introduction to the mathematical concepts underlying the traditional computational techniques for elementary and middle school mathematics, and to instructional methods that can be used to teach these ideas at the middle school level. Open only to students majoring in Middle School Education. Prerequisite: Official placement or a grade of C or better in ASKL 1013. Fall.

MATH 3XX3 Geometry and Algebra for Middle School Teachers
Basic ideas of geometry, including plane regions and space figures, measurement, relations, functions and graphs, linear equations, and logic. Instructional methods that can be used to teach these ideas at the middle school level. Open only to students majoring in Middle School Education. Prerequisite: MATH 2XX3. Spring.

MATH 3YY3 Probability, Data Analysis, and Computing for Middle School Teachers
Basic ideas of probability, data analysis, and computing, and instructional methods that can be used to teach these ideas at the middle school level. Open only to students majoring in Middle School Education. Prerequisite: MATH 2XX3. Fall.

Change the requirements for the B.A. in Middle School Education:
Under Flexible Core Requirements:
   Remove MATH 2053, Mathematics for Elementary Teachers I (or Approved Math)
   Add MATH 1033, Mathematics for the Liberal Arts
Under Subject Concentration Requirements, Mathematics:
   Remove all six courses currently listed (MATH 1073, 2053, 2063, 3083, 3313, and 4113)
   Replace them with:
      MATH 1003, College Algebra
      MATH 1033, Mathematics for the Liberal Arts
      MATH 1XX3, Introduction to Cryptology
      MATH 2XX3, Number Sense and Operations for Middle School Teachers
      MATH 3XX3, Geometry and Algebra for Middle School Teachers
      MATH 3YY3, Probability, Data Analysis, and Computing for Middle School Teachers

B.A. in Physics and Mathematics (Teaching Emphasis) Requirements	**Proposed Changes** Delete MATH 3083 History of Mathematics from the requirements for the BA in Physics and Mathematics (Teaching Emphasis). **Rationale** As outlined in another proposal, we are not planning to offer MATH 3083 after Fall 2019. Therefore, it should be removed from the requirements for the Physics/Math Education degree. Under the new degree plan, the state competencies related to the historical development of mathematics will be distributed throughout the remaining courses, and assessment for these competencies will occur through a targeted assignment in the Mathematics for Secondary Teachers course. By not replacing MATH 3083 with another course, we bring the number of math and physics hours in balance (24 hours each), and we reduce the overall number of hours for the degree from 127 to 124. **Catalog Entries** In the Secondary Education and 7-12 Licensure portion of the catalog: Under Subject Area Requirements, delete MATH 3083 from the Physics/Mathmatics course list. In the Physics (PHYS) portion of the catalog: Delete MATH 3083 from the Requirements for a B.A. in Physics/Mathematics (Teaching Emphasis). In the Mathematics (MATH) portion of the catalog: Delete MATH 3083 from the Requirements for a B.A. in Physics/Mathematics (Teaching Emphasis).