

Marshall University

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Recommendations

Faculty Senate

2-1-2022

SR 21-22-24 UCC

Marshall University Faculty Senate

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**University Curriculum Committee
RECOMMENDATION**

SR 21-22-24 UCC

Recommends approval of the listed **UNDERGRADUATE COURSES CHANGES** in the following college and/or schools/programs:

College of Arts and Media

ART 299 Foundations Review: BA

Summary of Change: Change from CR/NC to graded.

Rationale: In the last 5-6 years there have been faculty changes and the Portfolio Review process has become a fully developed course with rigorous standards. The process of showing their body of work, developing a reflection statement, and formal presentation require rigorous work. The request to change the credit hours is to align the work our art education students are completing in the course with their BFA classmates that are sitting in the same class.

Curriculum:

https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EV_TKmNMRVxOrnlG5RCSn-kBHITgfbEfVv6o6KKnypSHWA?e=6rVIMe

ART 331 Cast Metal Sculpture

Summary of Change: Title and description change.

Rationale: The original course "Cast Metal Sculpture" promotes a traditional idea of sculpture without any indication of the intense evolution of sculptural practices in the last 70 years. The course worked with limited processes and materials. Additionally, our sculpture facilities don't have any kind of foundry for cast metal sculpture and with constrained budgets it would be difficult to teach this course by paying to use another institution's facilities. I would like to open the course up to expanded ways of making sculptures outside of traditional norms. While there are many aspects to alternative sculptural practices, I will be focusing on the aforementioned examples as they tend to dominate the historical and contemporary sculptural landscape. Students will research and make idea-driven artworks that address the multitude of concerns contemporary sculptors are addressing with outside-the-box modes of creation.

Curriculum:

https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EbYb_sdiLkxHqw8n9YHQw7QBo5loGiQVVMVoMzB0COFLJA?e=hgfGHf

ART 332 Carved Sculpture

Summary of Change: Title and description change.

Rationale: The original course "Carved Sculpture" promotes a traditional idea of sculpture without any indication of the intense evolution of sculptural practices in the last 40 years. The course worked with ideas of carving (subtractive) sculpture from traditional materials like wood and stone. Almost no

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contemporary sculptor works with carved stone anymore, while many sculptors currently use digital fabrication to carve from materials like plywood and foam. While I will include traditional techniques of carving, I want to update the course with a digital fabrication aspect. The priority within digital fabrication will be carving using our CNC machine in the Art Warehouse. We will also do a small amount of additive sculpture (3D printing) to round out the field of digital fabrication.

Curriculum:

https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EefBddVYYKFDt_3ysETXm88BgR-4W6fmlPdiMmS-LtCNRw?e=d1y2Wa

ART 442 Monumental Sculpture

Summary of Change: Title and description change.

Rationale: The original course "Monumental Sculpture" promotes an important, but narrow idea of sculpture e.g. fountains and architectural reliefs in public spaces. I would like give a new focus to the aspects of site and place instead of simply the size at which it is created i.e. monumental or a particular kind of sculpture e.g. fountain. The new course will show the breadth and evolution of contemporary site-specific art along with thinking about how ideas of place and site-specificity affect notions of artmaking. We will be working both indoors and outdoors while investigating the Marshall University campus, the Huntington community, Appalachia, and beyond.

Curriculum:

https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/ETrVE3wdu99Hi3meXFSB_ZUB1RLP5K5NNUzK2YXQjjvA7w?e=97qzbg

College of Health Professions

STHM 381 Sport Finance/Economics

Summary of Change: Title and description change.

Rationale: Students mistakenly thought this course is a traditional finance course for corporate business. Instead, this course focuses on how sports managers find and manage funding sources for the sports industry through ticket and merchandise sales, venues and sports properties, and fundraising, etc.

Curriculum:

https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EXqyPYJQHi5Lilq2_72HXt8BgDAXI68Y_wSNOWylhhjpCA?e=gZn6fo

College of Liberal Arts

GEO 430 GIS-Raster Analysis

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Summary of Change: Title and description change.

Rationale: This new title reflects the environmental nature of the contents of the course in more detail and should address students from the proper fields. This change in description also emphasizes the environmental content of the course.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EUfB9hJoHchAkuSF97cfZFQB-QGtMDTt4mRFktrIIBRm2w?e=dJQ83o>

GEO 418 Geography for Teachers

Summary of Change: Title and description change.

Rationale: Title change reflects demand for this class from some community college educators in out MA Geography program. Description change reflects slightly new direction for the course content.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EQgKUIHoO7IGoGmHh2KRI2MB8yf4mxSLay3SwufzoNbv7w?e=kosez9>

College of Science

BSC 104 Introduction to Biology

Summary of Change: Change in Credit Hours and description.

Rationale: Biological Sciences is splitting all 100- and 200-level lecture/laboratory 4 credit courses into separate lecture and lab course numbers. Currently, a student enrolls in a single course consisting of lab and lecture with different instructors and different syllabi. While the content of our lectures and lab are closely related, the labs are not aligned to synchronize with lecture material. Indeed, the course and learning objectives of the laboratory are significantly different from those of the lecture. Students often

expect the lecture and lab of a 4 credit course to be correlated, and when it isn't, that can be disappointing. By separating the two courses, we're simply updating the catalog to reflect our current teaching practice. This change is also expected to ease scheduling challenges for students as they will be able to pick lectures and labs independently from each other. Other than routine content and pedagogical updates that we do regularly, there will be no substantial changes to course content and this lecture will run as it always has.

Change in CREDIT HOURS: From 4 to 3. This is to reflect the lab (1 credit hour) being split off into a distinct course (see corresponding BSC 104L course addition)

Change in CATALOG DESCRIPTION: Removed the reference to the number of hours spent in lecture and lab as it no longer applies, and removed mention of the laboratory as it will be a separate course. Catalog description is current otherwise, the content of the lecture will not change.

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Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/Ea5KgbATzlpCn1Uj5KhUDD0BqH2c0rcb3yS7K5zEzIE1sw?e=WjcgFV>

BSC 105 Human Biology

Summary of Change: Change in Credit Hours and description.

Rationale: Biological Sciences is splitting all 100- and 200-level lecture/laboratory 4 credit courses into separate lecture and lab course numbers. Currently, a student enrolls in a single course consisting of lab and lecture with different instructors and different syllabi. While the content of our lectures and lab are closely related, the labs are not aligned to synchronize with lecture material. Indeed, the course and learning objectives of the laboratory are significantly different from those of the lecture. Students often

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Change in CREDIT HOURS: From 4 to 3. This is to reflect the lab (1 credit hour) being split off into a distinct course (see corresponding BSC 104L course addition)

Change in CATALOG DESCRIPTION: Removed the reference to the number of hours spent in lecture and lab as it no longer applies, and removed mention of the laboratory as it will be a separate course. Catalog description is current otherwise, the content of the lecture will not change.

Curriculum:

https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/Eck64pq9teZPkChq03R_j6sB0Kpyya_Rz3hbmYLsa4RUgQ?e=IBuOgc

BSC 120 Principles of Biology

Summary of Change: Change in title, credit hours, and description.

Rationale: Change from principles of Biology to Principles of Biology I. Biological Sciences is splitting all 100- and 200-level lecture/laboratory 4 credit courses into separate lecture and lab course numbers. Currently, a student enrolls in a single course consisting of lab and lecture with different instructors and different syllabi. While the content of our lectures and lab are closely related, the labs are not aligned to synchronize with lecture material. Indeed, the course and learning objectives of the laboratory are significantly different from those of the lecture. Students often expect the lecture and lab of a 4 credit course to be correlated, and when it isn't, that can be disappointing. By separating the two courses, we're simply updating the catalog to reflect our current teaching practice. This change is also expected to ease scheduling challenges for students as they will be able to pick lectures and labs independently from each other. Other than routine content and pedagogical updates that we do regularly, there will be no substantial changes to course content and this lecture will run as it always has.

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Change in CREDIT HOURS: From 4 to 3. This is to reflect the lab (1 credit hour) being split off into a distinct course (see corresponding BSC 104L course addition)

Change in CATALOG DESCRIPTION: Removed the reference to the number of hours spent in lecture and lab as it no longer applies, and removed mention of the laboratory as it will be a separate course. Catalog description is current otherwise, the content of the lecture will not change.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/ERWHEY-CvIVCvtMnDFkhLWgBiSee2fTjcgBznzG-5KOYyg?e=bbtlxP>

BSC 120 H Principles of Biology Honors

Summary of Change: Change in title, credit hours and description.

Rationale: Change from principles of Biology Honors to Principles of Biology I Honors. Biological Sciences is splitting all 100- and 200-level lecture/laboratory 4 credit courses into separate lecture and lab course numbers. Currently, a student enrolls in a single course consisting of lab and lecture with different instructors and different syllabi. While the content of our lectures and lab are closely related, the labs are not aligned to synchronize with lecture material. Indeed, the course and learning objectives of the laboratory are significantly different from those of the lecture. Students often expect the lecture and lab of a 4 credit course to be correlated, and when it isn't, that can be disappointing. By separating the two courses, we're simply updating the catalog to reflect our current teaching practice. This change is also expected to ease scheduling challenges for students as they will be able to pick lectures and labs independently from each other. Other than routine content and pedagogical updates that we do regularly, there will be no substantial changes to course content and this lecture will run as it always has.

Change in CREDIT HOURS: From 4 to 3. This is to reflect the lab (1 credit hour) being split off into a distinct course (see corresponding BSC 104L course addition)

Change in CATALOG DESCRIPTION: Removed the reference to the number of hours spent in lecture and lab as it no longer applies, and removed mention of the laboratory as it will be a separate course. Catalog description is current otherwise, the content of the lecture will not change.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/Efrwn4yFz0VDpVBgCyc-E7ABAjlAm6Sa3748qb5X8JiwXg?e=ow1usC>

BSC 121 Principles of Biology

Summary of Change: Change in title, credit hours and description.

Rationale: Change title from Principles of Biology to Principles of Biology II. Biological Sciences is splitting all 100- and 200-level lecture/laboratory 4 credit courses into separate lecture and lab course numbers. Currently, a student enrolls in a single course consisting of lab and lecture with different instructors and different syllabi. While the content of our lectures and lab are closely related, the labs are not aligned to synchronize with lecture material. Indeed, the course and learning objectives of the laboratory are significantly different from those of the lecture. Students often

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Change in CREDIT HOURS: From 4 to 3. This is to reflect the lab (1 credit hour) being split off into a distinct course (see corresponding BSC 104L course addition)

Change in CATALOG DESCRIPTION: Removed the reference to the number of hours spent in lecture and lab as it no longer applies, and removed mention of the laboratory as it will be a separate course. Catalog description is current otherwise, the content of the lecture will not change.

Curriculum:

https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/ETuwt_sh905ApPFojzkg07oB499SheVhVzrWB7BY6BjECg?e=E9Lsxc

BSC 227 Human Anatomy

Summary of Change: Change in credit hours and description.

Rationale: Biological Sciences is splitting all 100- and 200-level lecture/laboratory 4 credit courses into separate lecture and lab course numbers. Currently, a student enrolls in a single course consisting of lab and lecture with different instructors and different syllabi. While the content of our lectures and lab are closely related, the labs are not aligned to synchronize with lecture material. Indeed, the course and learning objectives of the laboratory are significantly different from those of the lecture. Students often

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Change in CREDIT HOURS: From 4 to 3. This is to reflect the lab (1 credit hour) being split off into a distinct course (see corresponding BSC 104L course addition)

Change in CATALOG DESCRIPTION: Removed the reference to the number of hours spent in lecture and lab as it no longer applies, and removed mention of the laboratory as it will be a separate course. Catalog description is current otherwise, the content of the lecture will not change.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EcQFI1Frh-5DsEyBVe9TpgoBxyVD1Llcf8mtbiPrP9xWXw?e=cZdRPF>

BSC 228 Human Physiology

Summary of Change: Change in credit hours and description.

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Rationale: Biological Sciences is splitting all 100- and 200-level lecture/laboratory 4 credit courses into separate lecture and lab course numbers. Currently, a student enrolls in a single course consisting of lab and lecture with different instructors and different syllabi. While the content of our lectures and lab are closely related, the labs are not aligned to synchronize with lecture material. Indeed, the course and learning objectives of the laboratory are significantly different from those of the lecture. Students often

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Change in CREDIT HOURS: From 4 to 3. This is to reflect the lab (1 credit hour) being split off into a distinct course (see corresponding BSC 104L course addition)

Change in CATALOG DESCRIPTION: Removed the reference to the number of hours spent in lecture and lab as it no longer applies, and removed mention of the laboratory as it will be a separate course. Catalog description is current otherwise, the content of the lecture will not change.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/ETMXvThBAzZInIjcYUqwedkBgmcghMbYSIf9Sc0f0tcQ9g?e=lvFRFz>

BSC 250 Microbiology and Human Disease

Summary of Change: Change in credit hours and description.

Rationale: Biological Sciences is splitting all 100- and 200-level lecture/laboratory 4 credit courses into separate lecture and lab course numbers. Currently, a student enrolls in a single course consisting of lab and lecture with different instructors and different syllabi. While the content of our lectures and lab are closely related, the labs are not aligned to synchronize with lecture material. Indeed, the course and learning objectives of the laboratory are significantly different from those of the lecture. Students often

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Change in CREDIT HOURS: From 4 to 3. This is to reflect the lab (1 credit hour) being split off into a distinct course (see corresponding BSC 104L course addition)

Change in CATALOG DESCRIPTION: Removed the reference to the number of hours spent in lecture and lab as it no longer applies, and removed mention of the laboratory as it will be a separate course. Catalog description is current otherwise, the content of the lecture will not change.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EWJZTsLIPG1HkdVMxfw4EZwBP43DpBX56dW m5YPnB 06g?e=ZiDuU2>

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BSC 310 Comp Vertebrate Anatomy

Summary of Change: Change in title and course number.

Rationale: Change in COURSE NUMBER: The content and practical exercises in CVA are among the most advanced in our department. For many years, Dr. Robin O'Keefe has actually been teaching Comp Vertebrate Anatomy (CVA) at a 400-level. This change will bring the course number in line with our teaching practice of many years. In addition, we are making changes across our curriculum to ensure that our 300-level courses are reserved for core courses that cover fundamentals of different aspects of biology. With the addition of a new 300-level Fundamentals of Anatomy, CVA belongs at the advanced 400-level. Evidence of the advanced content is in the attached syllabus from the last time we were able to offer the course pre-pandemic.

Since the course number, BSC 410 is already taken, we have chosen BSC 423 so it will appear in the catalog next to our upper-level animal physiology course.

Change in COURSE TITLE: Spelling out the word Comparative fits within the 30 character limit, so we made the change to aid clarity.

Curriculum:

https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EanaNVpDQUxJjybzPZhfYUcBVsa8WXh-mW_ILKNOvtMwIw?e=me295H

BSC 413 Prin of Organic Evolution

Summary of Change: Change in title, course number, and description.

Rationale: COURSE TITLE: Remove the abbreviation to clarify name and make clear it is a component of a set of 300-level courses that all begin with "Principles of".

COURSE NUMBER: Moving the course to 300-level so that we have an Evolution course in our selection of Core Courses for our Majors. As this has always been the first specialized evolution course students take after our introductory biology classes, content will not change as a result of this move. We have two more advanced 400-level evolutionary biology courses (History of the Biosphere and Human Evolution) currently being taught as special topics and are on target to be added as numbered 4xx/5xx courses within the next two years.

CATALOG DESCRIPTION: Simplifying the description.

Curriculum:

https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EUg1gYIxpq5KkbglA_ckzrMBc9GHRvS-jseXj3JL9GNamA?e=8fzFfB

BSC 422 Animal Physiology

Summary of Change: Change in credit hours and description.

Rationale: Biological Sciences is creating two new core courses (BSC 334 - principles of human physiology and BSC 334L - principles of human physiology lab) that will make the lab part of this

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course redundant. We wish to retain the lecture half of this course and add BSC 334 as a prerequisite, so that we can advance the material we are able to cover in the fourth year course.

Change in CREDIT HOURS: From 4 to 3. This is to reflect the deletion of the lab (1 CR) from the course

Change in CATALOG DESCRIPTION: Removed the reference to the number of hours spent in lecture and lab as it no longer applies, and removed the prerequisite list in the catalog description. Updated the wording of the lecture description.

Curriculum:

https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/Ee6SsBF4VmRPpWI_y6ucPzkBqOduv7kThG8_OJ6kg-PVZg?e=adBV2C

IST 441 Metabolic Systems

Summary of Change: Change in alpha designator, course number and description.

Rationale: Change in alpha designator:

IST no longer exists as a unit within the College of Science, and BSC wishes to capture this course. A strong understanding of metabolic processes is key to solving problems in pathology, biotechnology, and other areas of recent growth in our department. This course will form a key part of our growth going forward.

Change in course number:

BSC 441 would put this course in the middle of a sequence of courses on another topic. 429 places it with other similar courses.

Change in course description:

Wording change to reflect our program. The overall content will be extremely similar, although focus will change somewhat from more applied topics to more theoretical.

Curriculum:

https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EZDP6z_LCKFCgnL9tPX1fogBwrqiBHEceSFIM80PpGCC6w?e=aULbVK

IST 150 Spreadsheet & Database Prin

Summary of Change: Change in title and alpha designator.

Rationale: The IST program was split into several different departments in 2016. All students who were in IST at that time have now graduated. This course is taught by faculty who were once in IST, but who are now in CIT, thus the change in alpha designator. The name change just cleans up the title to reflect Applications instead of Principles.

Curriculum: <https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/Ee-Gv-H6Y-5ChaODgM1FSeoBL2ZzHirO0OoDLYj6xvCwkQ?e=9QP8Oz>

IST 224 Intro to Forensic Science

Summary of Change: Change in alpha designator.

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Rationale: The IST program was split into several different departments in 2016. All students who were in IST at that time have now graduated. This course is taught by faculty who were once in IST, but who are now in FSC, thus the change in alpha designator only.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/ERcU6ajO225Kgtwx5IHrt0BXokdcYtBxcuAtKW-HSxNA?e=0aUeBq>

IST 264 Technology Foundations

Summary of Change: Change in alpha designator.

Rationale: The IST program was split into several different departments in 2016. All students who were in IST at that time have now graduated. This course is taught by faculty who were once in IST, but who are now in CIT, thus the change in alpha designator only.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EWlaR631s0ZlhWuChECZMOoBlgozS2CQol8cuCftptxRQ?e=5k8bnZ>

IST 301 Public Service Experience

Summary of Change: Change in alpha designator.

Rationale: The IST program was split into several different departments in 2016. All students who were in IST at that time have now graduated. This course is taught by faculty who were once in IST, but who are now in CIT, thus the change in alpha designator only.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EZL PbsVTOxJnkosc3e3yEoBmfn3FIT5yvjc5ao1zPHLQ?e=rCnVSw>

IST 434 Molecular Diagnostics

Summary of Change: Change in title, alpha designator, course number and description.

Rationale: Change in alpha designator:

IST no longer exists as a unit, and BSC wishes to capture this course. BSC has a large number of pre-med and other pre-professional students, and discussions of molecular issues in medicine is a core part of our program.

Change in course number:

BSC 434 would place this among dissimilar courses, we chose a number to group it with similar courses.

Change in course title:

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Change to appeal to a broader audience, the word medicine gets noticed by our students. Diagnostics will remain a key content area.

Change in course description:

No significant change, slight wording changes to better reflect our goals.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/ETeuW6X4wORFnmXuGYpsipwBa0LJWpGmaMTj-exqlkdneg?e=uMe1Xt>

IST 441 Metabolic Systems

Summary of Change: Change in alpha designator, course number, and description.

Rationale: Change in alpha designator:

IST no longer exists as a unit within the College of Science, and BSC wishes to capture this course. A strong understanding of metabolic processes is key to solving problems in pathology, biotechnology, and other areas of recent growth in our department. This course will form a key part of our growth going forward.

Change in course number:

BSC 441 would put this course in the middle of a sequence of courses on another topic. 451 places it with other similar courses.

Change in course description:

Wording change to reflect our program. The overall content will be extremely similar, although focus will change somewhat from more applied topics to more theoretical.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EVIFBLxAGOdEuueSLulRpz4BKYZ8Q3JNVaVtxai8jio Vw?e=jXhAcu>

IST 442 Bioethics

Summary of Change: Change in alpha designator, course number, and description.

Rationale: Change in alpha designator:

IST no longer exists as a unit, and BSC wishes to capture this course. Discussions of bioethics and related issues are a core part of our courses and our program, and we have a need for a specialized course.

Change in course number:

BSC 442 is in use, we chose a convenient number

Change in course description:

No significant change, slight wording changes to better reflect our goals.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EZKDmZ3tmJBBkLazMxylhRsB2kyaIggylztXmcBGwuBDQQ?e=8AclvK>

IST 443 Protein Biotechnology

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Summary of Change: Change in alpha designator.

Rationale: Change in alpha designator:

IST no longer exists as a unit within the College of Science and Chemistry wishes to capture this course.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EUV5F6bhv4BAsS62iEtnAZYBfhNFbVhn2pilFdH9ehdPwQ?e=6QtlpQ>

IST 444 Bioinformatics

Summary of Change: Change in alpha designator, course number, and description.

Rationale: Change in alpha designator:

IST no longer exists as a unit within the College of Science, and BSC wishes to capture this course. We have several faculty using bioinformatics as a core part of their research, and addition of this course will help recruit and train students for work here in the department and in the growing field of bioinformatics.

Change in course number:

BSC 444 would put this course in the middle of a sequence of courses on another topic. 458 places it with other similar courses.

Change in course description:

No significant content change, worded it differently to reflect that the course will include both a strong theoretical basis and practical experience.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EScQbikIHaxlvGk5y4nT0IUBKcvr5ywrftAmJUZZVvNUvQ?e=eedyFs>

FACULTY SENATE CHAIR:

APPROVED BY THE FACULTY SENATE



DATE: 12/16/21

UNIVERSITY PRESIDENT:

APPROVED: _____ DATE: _____

DISAPPROVED: _____ DATE: _____

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RECOMMENDATION**

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Summary of Change: Change in alpha designator.

Rationale: Change in alpha designator:

IST no longer exists as a unit within the College of Science and Chemistry wishes to capture this course.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EUV5F6bhv4BAAsS62iEtnAZYBfhNFbVhn2pilFdH9ehdPwQ?e=6QtlpQ>

IST 444 Bioinformatics

Summary of Change: Change in alpha designator, course number, and description.

Rationale: Change in alpha designator:

IST no longer exists as a unit within the College of Science, and BSC wishes to capture this course. We have several faculty using bioinformatics as a core part of their research, and addition of this course will help recruit and train students for work here in the department and in the growing field of bioinformatics.

Change in course number:

BSC 444 would put this course in the middle of a sequence of courses on another topic. 458 places it with other similar courses.

Change in course description:

No significant content change, worded it differently to reflect that the course will include both a strong theoretical basis and practical experience.

Curriculum:

<https://livemarshall.sharepoint.com/:b:/s/UniversityCurriculumCommittee/EScQbikIHaxlvGk5y4nT0IUBKcvr5ywrftAmJUZZVvNUvQ?e=eedyFs>

FACULTY SENATE CHAIR:

APPROVED BY THE FACULTY SENATE

DATE: 12/16/21

UNIVERSITY PRESIDENT:

APPROVED: _____



DATE: _____

2-1-2022

DISAPPROVED: _____

DATE: _____