

Marshall University

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Recommendations

Faculty Senate

4-22-2022

SR 21-22-40 UCC

Marshall University Faculty Senate

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University Curriculum Committee RECOMMENDATION

SR 21-22-40 UCC

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

College of Arts and Media

MUS 250 Survey of Jazz

- **Summary of Change:** Course title and catalog description
- **Rationale:** To more accurately reflect the content covered in the course, as well as to add continuity by following the naming conventions of other music history course offerings.
- **Form with signature:** [Change Course MUS 250.pdf](#)

MUS 327 Intro to Music Business

- **Summary of Change:** Course title and catalog description
- **Rationale:** To more accurately reflect the subject matter covered in this course and the continuity between the proposed course title changes of MUS 327 and MUS 427.
- **Form with signature:** [Change Course MUS 327.pdf](#)

MUS 427 Commercial Music Business

- **Summary of Change:** Course title and catalog description
- **Rationale:** To more accurately reflect the subject matter covered in this course and the continuity between the proposed course title changes of MUS 327 and MUS 427.
- **Form with signature:** [Change Course MUS 427.pdf](#)

THE 240 Intro to Stage Lighting I

- **Summary of Change:** Catalog description
- **Rationale:** This course is required for Dance minors and Video Production majors. The catalog description needs to reflect the additional clientele and the changes in the material regularly covered for the students enrolled in this course.
- **Form with signature:** [Change Course THE 240.pdf](#)

College of Engineering and Computer Science

BME 310 Modeling & Simulation Bio Syst

- **Summary of Change:** Catalog description
- **Rationale:** Changing "therapeutic devices such as the artificial kidney" into "artificial implants such as Lynch coil": This is more appropriate and cohesive between the computational simulations and experiments as students are expected to pilot-test wet-lab prototypes using Lynch coil later in their curricula (e.g. BME 465 Capstone I; BME 466). The shape of the Lynch coil is more realistic to be attempted in the classroom (than artificial kidney) and similar to 'Helical pipe or helical coil', feasible to be modeled using ANSYS sketch and sweep function.
- **Form with signature:** [BME310.pdf](#)

**University Curriculum Committee
RECOMMENDATION**

SR 21-22-40 UCC

College of Health Professions

STHM 496 Olympic Games

- **Summary of Change:** General education attribute
- **Rationale:** The course will now be offered as an International Studies (INTL) course.
- **Form with signature:** [Approved STHM496 Course Change Request.pdf](#)

CLS 200 Clinical Biochemistry

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 200 Course Change 2022.pdf](#)

CLS 210 Clinical Immunohematology

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 210 Course Change 2022.pdf](#)

CLS 230 Clinical Hematology

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 230 Course Change 2022.pdf](#)

CLS 255 Clinical Laboratory Problems

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 255 Course Change 2022.pdf](#)

CLS 270 Clinical Practicum Hematology

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 270 Course Change 2022.pdf](#)

CLS 410 Advanced Clinical Immunohematology

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.

University Curriculum Committee RECOMMENDATION

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- **Form with signature:** [CLS 410 Course Change 2022.pdf](#)

CLS 430 Advanced Hematology

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 430 Course Change 2022.pdf](#)

CLS 464 Laboratory Instrumentation and Information Systems

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 464 Course Change 2022.pdf](#)

CLS 466 Diagnostic Physiology

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 466 Course Change 2022.pdf](#)

CLS 468 Clinical Lab Research

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 468 Course Change 2022.pdf](#)

CLS 472 Advanced CLS Clinical Practicum I

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 472 Course Change 2022.pdf](#)

CLS 473 Advanced CLS Clinical Practicum II

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 473 Course Change 2022.pdf](#)

CLS 499 Seminar in Lab Medicine

- **Summary of Change:** Catalog description
- **Rationale:** Course descriptions have not been updated in several years; updated descriptions also provide better clarity of content for students.
- **Form with signature:** [CLS 499 Course Change 2022.pdf](#)

University Curriculum Committee RECOMMENDATION

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HS 435 Biomech Instrument MatLab

- **Summary of Change:** Course title and catalog description
- **Rationale:** Name change from "Biomech Instrument MatLab" to "Biomech Programs Applications":
The new course name better reflects the changed focus of the course and the tools to be used. With the development of a new course (HS375) dedicated to instrumentation and data collection, students in this HS435 course will now spend most of their time learning the computer programming vocabulary and re-usable functions needed to analyze data. Instrumentation and data collection with sensors will be a much smaller part of the course. Further, MatLab is an expensive license for the university and for students, so this course will now be taught mostly in the Python language with some examples of transfer of functions to MatLab and other programming languages.

Catalog description change:

Although students will still collect data from biomechanical sensors to be used for processing, the updated description better reflects the activities that students will be doing most often during the course, and removes the name of any specific programming language..

- **Form with signature:** [CourseChange_HS435.pdf](#)

College of Science

PHY 308 Thermal Physics

- **Summary of Change:** Course title, number, and catalog description
- **Rationale:** Statistical mechanics is one of the cornerstones of many physics branches as quantum mechanics, solid state physics, as well as particle and nuclear physics. Many collective phenomena are associated with statistical physics, e.g., phase transitions and complex network behaviors. In order for students to have enough knowledge in their fields, some introduction to Bose-Einstein and Fermi-Dirac statistics and applications like the vibrational and electronic contributions to the specific heat of solids is important. The addition to the content of the course makes the course level higher, so we need to change the course number from PHY 308 to PHY 408.
- **Form with signature:** [PHY308 CourseChange Corrected and Signed 2.pdf](#)

FACULTY SENATE CHAIR:



APPROVED BY THE FACULTY SENATE

DATE: 3/25/2022

