New Course Request

Check Appropriate Boxes: Undergraduate credit ✔ Graduate credit ☐ Professional credit ☐

1. School/Division: Visual and Performing Arts

2. Academic Subject Code: MUS

3. Course Number: A204 (must be cleared with University Enrollment Services)

4. Instructor: Stewart

5. Course Title: Live Sound Reinforcement

Recommended Abbreviation (Optional):

(Limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year): Fall 2011

7. Credit Hours: Fixed at 3 or Variable from ________ to ________

8. Is this course to be graded S-F (only)? Yes ☐ No X ☐

9. Is variable title approval being requested? Yes ☐ No X ☐

10. Course description (not to exceed 50 words) for Bulletin publication: Cr. 3 P: MUS A205 or permission of instructor. Theory and practice of audio amplification for live events, various facets of sound reinforcement, such as hardware, software, techniques, development of practical skills; signal flow, microphones, speakers, crossovers, amplifiers, mixers, signal processing, power requirements, cable interconnects, electrical engineering topics. Analog and digital equipment will be used.

11. Lecture Contact Hours: Fixed at 3 or Variable from ________ to ________

12. Non-Lecture Contact Hours: Fixed at ________ or Variable from ________ to ________

13. Estimated enrollment: 10 of which 0 percent are expected to be graduate students.

14. Frequency of scheduling: Every Fall

Will this course be required for majors? Yes - see below *

15. Justification for new course: To support Music and Outside Field: Technology *Required of these majors only

16. Are the necessary reading materials currently available in the appropriate library? Yes

17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.

18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by:

Robert Date: 5-26-11

Dean of Graduate School (when required)

Date

Approved by:

Date: 5-26-11

Chancellor/Vice-President

Date

University Enrollment Services

Date

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.

University Enrollment Services Final-White, Chancellor/Vice-President-Blue, School/Division-Yellow, Department/Division-Pink, University Enrollment Services Advance—White
INDIANA UNIVERSITY PURDUE UNIVERSITY PORT WAYNE
COLLEGE OF VISUAL AND PERFORMING ARTS
DEPARTMENT OF MUSIC

MUS A304 : Live Sound Reinforcement
Instructor: David Stewart

OVERVIEW: Live Sound Reinforcement focuses on the theory and practice of audio amplification for live events. Encompassing discussions of various genres, such as classical, pop, jazz, Broadway, emphasis is on practical, real-world, applicable information presented through lecture, presentations and field experience. Topics include signal flow, microphones, speakers, crossovers, amplifiers, mixers, signal processing, power requirements, cable interconnects and other electrical engineering topics. Both analog and digital equipment will be used. Instruction will combine classroom lectures and hands-on experience in a variety of performance venues.

Prerequisite is Audio Recording III (MUS A205) or Permission of Instructor.

COURSE DESCRIPTION

Cr. 3. P: MUS A205 or Permission of Instructor. Theory and practice of audio amplification for live events, various facets of live sound reinforcement, such as hardware, software, techniques, development of practical skills; signal flow, microphones, speakers, crossovers, amplifiers, mixers, signal processing, power requirements, cable interconnects, electrical engineering topics. Analog and digital equipment will be used.

LEARNING OUTCOMES:
• Students will demonstrate the ability to assemble a Sound Reinforcement system from its basic elements
• Students will demonstrate the ability to tune and execute a sound check
• Students will demonstrate the ability to use both analog and digital mixers and signal processing
• Students will demonstrate an understanding of how and when to apply signal processing.

REQUIRED MATERIALS:

EVALUATION:
• Students will be evaluated through written exams, a small number of outside research assignments of limited scope, hands-on skills assessments, a project of designing a complete sound system for a specific application, and live sound practice projects.