

RAT-2990: RECORDING ARTS & TECH CAPSTONE

Cuyahoga Community College

Viewing: RAT-2990 : Recording Arts & Tech Capstone

Board of Trustees:

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Academic Term:

2016-08-22

Subject Code

RAT - Recording Arts & Technology

Course Number:

2990

Title:

Recording Arts & Tech Capstone

Catalog Description:

Capstone course in Recording Arts and Technology. Student will design and implement capstone recording project that applies the technical, oral, behavioral and written skills learned in previous RAT coursework, resulting in cumulative evaluation of student recording skills based on established RAT standards. Includes discussion of emerging audio technologies and their impact on recording industry career opportunities.

Credit Hour(s):

3

Lecture Hour(s):

1

Lab Hour(s):

4

Requisites

Prerequisite and Corequisite

RAT-1520 Audio Signal Processing, and RAT-2300 Recording Theory II, and RAT-2311 Recording Lab II, and RAT-2330 Digital Audio Mixing, and RAT-2341 Location Recording, and departmental approval.

Outcomes

Course Outcome(s):

Plan and produce a professional-level stereo location music recording

Objective(s):

1. Assess needs and develop thorough pre-production plans for a professional stereo audio recording project in a non-studio environment.
2. Model effective professional interaction/etiquette in a professional group setting.
3. Arrange and conduct a non-studio recording session in a professionally appropriate location.
4. Identify appropriate stereo miking techniques based on industry best practices.
5. Operate commonly found outboard studio equipment during location recording sessions.
6. Operate digital audio workstations during location recording sessions.
7. Record audio for stereo music projects in a non-studio environment.
8. Prepare and deliver a finished audio product.

Course Outcome(s):

Develop and produce a professional audio-visual presentation demonstrating an audio-related concept

Essential Learning Outcome Mapping:

Oral Communication: Demonstrate effective verbal and nonverbal communication for an intended audience that is clear, organized, and delivered effectively following the standard conventions of that language.

Objective(s):

1. Model effective professional interaction/etiquette in a professional group setting.
 2. Arrange and conduct audio and video recording sessions in a professionally appropriate location.
 3. Operate commonly found outboard audio and video equipment during recording sessions.
 4. Record audio for an audio-visual project.
 5. Record video for an audio-visual project.
 6. Edit and combine audio and video using professional digital audio workstation and video editing software.
 7. Prepare and deliver a finished audio-visual product.
 8. Assess needs and develop thorough pre-production plans for a professional audio-visual project.
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Course Outcome(s):

Record and mix 2 songs of the student's choice in a professional environment

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Objective(s):

1. Assess needs and develop thorough pre-production plans for an audio recording project.
 2. Model effective professional interaction/etiquette in a professional group setting.
 3. Arrange and conduct a studio recording session in a professional environment.
 4. Operate commonly found outboard studio equipment during recording and mixing session dates.
 5. Operate digital audio workstations in a professional studio environment.
 6. Operate digital and/or analog recording consoles in a professional environment.
 7. Record audio for multi-track music projects in a professional studio environment.
 8. Mix audio for multi-track music projects in a professional studio environment.
 9. Prepare and deliver a finished audio product.
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Course Outcome(s):

Construct and deliver a professional mix using client-provided multi-tracks

Objective(s):

1. Assess needs and develop thorough pre-production plans for an audio mixing project.
 2. Operate commonly found outboard studio equipment during mixing session dates.
 3. Operate digital audio workstations in a professional studio environment.
 4. Operate digital and/or analog recording consoles in a professional environment.
 5. Demonstrate effective use of time-based processors.
 6. Demonstrate effective use of dynamics based processors.
 7. Prepare and deliver a finished audio product.
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Course Outcome(s):

Construct and deliver a professional-level Re-Mix of a song using client-provided stems

Objective(s):

1. Assess needs and develop thorough pre-production plans for an audio Re-Mix project.
 2. Operate digital audio workstations in a professional studio environment.
 3. Demonstrate a working knowledge of desktop music production skills.
 4. Operate commonly found outboard studio equipment during mixing session dates.
 5. Operate digital and/or analog recording consoles in a professional environment.
 6. Demonstrate effective use of time-based processors.
 7. Demonstrate effective use of dynamics based processors.
 8. Mix audio for multi-track music projects in a professional studio environment.
 9. Prepare and deliver a finished audio product.
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Course Outcome(s):

Deliver and support Capstone portfolio project

Essential Learning Outcome Mapping:

Written Communication: Demonstrate effective written communication for an intended audience that follows genre/disciplinary conventions that reflect clarity, organization, and editing skills.

Objective(s):

1. Construct a WordPress blog that has a pleasing appearance.
2. Collect and combine appropriate documentation and liner notes for each of the above audio projects and present this documentation on the blog.
3. Create deliverable audio products that play back on outside sound systems.

Course Outcome(s):

Prepare to enter the Audio Industry

Objective(s):

1. Attend Career Center workshops as assigned
2. Prepare a resume appropriate for Audio Industry jobs
3. Identify potential Internship sites

Methods of Evaluation:

1. Presentations
2. Participation
3. Quality of finished projects
4. Successful completion of selected Career Center workshops
5. Verbal skills
6. Written skills

Course Content Outline:

1. Recording Project Approval
 - a. Detailed description of the recording project
 - b. Initial pre-production planning and documentation
 - i. Room analysis
 - ii. Mic choice and placement
2. Managing Several Projects and Deadlines
 - a. Generate a detailed procedure list for each recording project
 - b. Create tentative monthly and weekly schedules for the semester
 - c. Update the semester schedule on a weekly basis
 - d. Project Milestones
 - i. Stereo Location Recording
 - ii. Mix Project
 - iii. ReMix Project
 - iv. Audio/Visual Project
 - v. 2-Song Recording Project
3. Blog Documentation
 - a. The difference between pages and posts
 - b. Adding links and media to posts
 - c. Integrating YouTube and SoundCloud content into a blog
 - d. Best practices for writing internet content
4. Project Milestones
 - a. Stereo Location Recording – to be completed by the end of Feb.
 - b. Mix project – to be completed by the end of March
 - c. Audio/Visual Presentation – to be completed by the end of March
 - d. ReMix project – to be completed by the end of April
 - e. 2 songs – to be completed by the end of April
5. Career considerations
 - a. Employment trends in the recording industry
 - b. Resume preparation
 - c. Professional networking skills

- d. Interview skills
- e. Presentation skills

Resources

Massey, Howard. *Behind the Glass-Top Record Producers Tell How They Craft the Hits*. New York: Miller Freeman, 2000.

Stone, Chris, Goggin, David ed. *Audio Recording for Profit: The Sound of Money*. Boston: Focal Press, 2000.

Huber, David Miles. *Modern Recording Techniques*. 8th. Burlington, MA: Focal Press, 2013.

Cook, Frank D. *Pro Tools 101 - An Introduction to Pro Tools 11*. Ver. 11. Boston: Cengage Learning PTR, 2014.

Cook, Frank D. *Pro Tools 110 - Pro Tools Production I*. Ver. 11. Avid Technology, 2013.

Cook, Frank D. *Pro Tools 201 - Pro Tools Production II*. Ver. 11. Avid Technology, 2013.

Cook, Frank D. *Pro Tools 210M - Music Production Techniques*. Ver. 11. Avid Technology, 2013.

Alten, Stanley R. *Audio in Media*. 10th. Cengage Learning, 2014.

Bartlett, Bruce Bartlett, Jenny. *Recoding Music on Location*. 2nd. New York: Focal Press, 2014.

Resources Other

1. RAT-2990 Instructor Blackboard Site
2. Student reference headphones
3. www.wordpress.com
4. www.soundonsound.com
5. www.aes.org
6. www.recordingmag.com
7. www.mixonline.com
8. www.therecordingrevolution.com
9. www.gearslutz.com
10. www.prosoundweb.com
11. www.music.tutsplus.com
12. www.musicradar.com

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