# BASIC MICROPHONE SYSTEMS
## Course Syllabus

<table>
<thead>
<tr>
<th>Course Number:</th>
<th>AVPA-0184</th>
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<tbody>
<tr>
<td>OCAS Code:</td>
<td>None</td>
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<tr>
<td>Course Length:</td>
<td>30 Hours</td>
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<tr>
<td>Career Cluster:</td>
<td>Arts, A/V Technology &amp; Communications</td>
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<td>Career Pathway:</td>
<td>Journalism &amp; Broadcasting, Audio &amp; Video Technology</td>
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<tr>
<td>Career Major(s):</td>
<td>Audio &amp; Video Production Assistant, Cinematography &amp; Recording Arts Production Assistant</td>
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### Pre-requisite(s): 

### Course Description:
The course introduces students to microphone systems as they relate to audio recording in television production. Students learn the basic audio equipment and how to utilize, maintain and troubleshoot this equipment.

### Textbooks:
- Instructor-created materials
- *Television Production* by Phillip L. Harris, Goodheart-Wilcox (2006)

### Course Objectives:

#### A. Apply Knowledge of Audio Equipment for Productions, Including Basic Recording Equipment, Mixing Consoles, and Quality Monitoring Equipment.²
1. Identify basic recording session equipment.²
2. Understand and practice safety related to audio production equipment.
3. Select equipment required for specific types of audio productions.²
4. Describe how an audio mixing console, quality-monitoring equipment, and basic recording session equipment are utilized.²
5. Demonstrate techniques used for equalization.²
6. Demonstrate how to record and mix audio.²
7. Perform routine cleaning of audio and video equipment.¹
8. Notify production team when equipment repairs are needed.¹

#### B. Comprehend the Types of Microphones, Pick-Up Patterns, and Techniques Required for a Variety of Audio Presentations.²
1. Identify different types of microphones used for audio-video productions.²
2. Describe the different types of pick-up patterns for each microphone used in production.
3. Apply the knowledge of different pick-up patterns for production.
4. Identify different diaphragms in different microphones.
5. Apply knowledge of diaphragms when choosing a microphone for a production.
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6. Describe techniques to maximize sound performance using various audio formats.
7. Identify a variety of microphones used in television production.
   a. Properly identify which microphone applies to a specific production setting.
   b. Properly mike each talent according to the production setting.

C. Demonstrate How to Troubleshoot Audio-Video System Operations.²
   1. Identify the sequence required for troubleshooting.²
   2. Conduct a troubleshooting sequence.²
   3. Identify problems and potential solutions.²

¹ODCTE objectives
²States’ Career Clusters - Career Cluster Resources for Arts, A/V Technology & Communications
All unmarked objectives are TTC instructor developed.

Teaching Methods:
The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures:
1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment:
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit:
The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility:
The student must maintain a grade point average of 2.0 or better.