

# WSI 211 - SONAR FOR SEARCH & RECOVERY

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## Course Description

This course provides training in the best use practices of multiple acoustic platforms for use in search and recovery operations typical to law enforcement, homeland security and first responders from multiple agencies. Group 2 course.

## Credit Hours

1.5

## Contact Hours

2

## Lecture Hours

1

## Lab Hours

1

## Recommended Prerequisites or Skills Competencies

Prior use of sonar equipment in search and recovery applications.

## General Education Outcomes supported by this course

Quantitative Reasoning

## Course Learning Outcomes

### Knowledge:

- Understand best practices for deployment of acoustic platforms in the marine environment.

### Application:

- Develop interpretive skills from analysis of acoustic information.

### Integration:

- Differentiate between an acoustic targets of interest and natural subsurface features.

### Human Dimension:

- Practice the application of acoustic technology in support of search and recovery operations.

### Caring - Civic Learning:

- Obtain skills that directly impact the speed of recovery operations.

### Learning How to Learn:

- Interpret acoustic returns and compare to diver and video observations.