

## Assessment Strategy for IPSQA 3027 Public Safety Diver Syllabus

This assessment strategy ensures a comprehensive evaluation of students' theoretical knowledge, practical skills, and professional competencies, aligning with the IPSQA 3027 Public Safety Diver syllabus.

### Written Assessments

#### ***Task 1. Research Paper on Public Safety Diving (Knowledge Requirements K1-K12)***

**Description:** Students will write a research paper contrasting recreational and public safety diving, explaining personal preparedness, incident management, specialist equipment, psychological impacts, key activities, best practices with affected families and media, components of a dive operation plan, drowning considerations, rescue mode determination, and basic search procedures.

**Purpose:** This assessment will evaluate students' understanding of theoretical concepts and their ability to articulate knowledge in written form.

**Word Limit:** 2,500 words

**Referencing Style:** APA 8th

**Passing Criteria:** Achieves 50% or higher using rubric.

**Due Date:** Week 6

**Weighting:** 20%

#### ***Task 2. Incident Management Plan (Knowledge Requirements K3, K6, K9)***

**Description:** Students will create a detailed incident management plan for a hypothetical public safety diving operation, including mission planning, contingencies, medical considerations, roles, and equipment.

**Purpose:** This task assesses students' ability to apply theoretical knowledge to practical scenarios.

**Passing Criteria:** Achieves 50% or higher using rubric.

**Due Date:** Week 8

**Weighting:** 10%

## Oral Assessments

### **Task 3. Group Presentation on Crisis Communication (Knowledge Requirements K7, K8)**

**Description:** In groups, students will research a crisis event involving public safety diving, present the event, the organisation's response, the result, and lessons learned. The presentation will be recorded with voiceover and submitted online.

**Purpose:** This assessment evaluates students' ability to communicate effectively, work collaboratively, and analyse real-world events.

**Duration:** Presentation should be between 5 and 10 minutes long.

**Passing Criteria:** Achieves 50% or higher using rubric.

**Due Date:** Week 10

**Weighting:** 10%

### **Task 4. Viva Voce Examination (Knowledge Requirements K1-K12)**

**Description:** An oral examination where students answer questions related to the knowledge requirements of the syllabus.

**Purpose:** This assessment tests students' verbal articulation of their knowledge and their ability to think on their feet.

**Passing Criteria:** Expert panel scores average of 70% or higher, with no score being below 50%, using rubric.

**Due Date:** Week 12

**Weighting:** 10%

## Performance Assessments

### **Task 5. Practical Skills Assessment (Skill Requirements S1-S21)**

**Description:** Students will demonstrate various practical skills, including preparing dive equipment, performing dynamic risk assessments, executing search patterns, conducting rescues, and maintaining equipment.

**Purpose:** This hands-on assessment evaluates students' ability to perform essential public safety diving tasks in real-world scenarios.

**Passing Criteria:** 1 major or three discrepancies on skill sheet constitute a fail.

**Due Date:** Practical skill assessment in Week 14

**Weighting:** 30%

### **Task 6. Simulation Exercises (Professional Requirements P1-P4)**

**Description:** Students will participate in simulated public safety diving operations, including underwater rescues, body recoveries, and evidential searches. These exercises will be logged and verified.

**Purpose:** This assessment ensures that students gain practical experience and can apply their skills in controlled, realistic environments.

**Due Date:** Throughout the course, with final verification in Week 16

**Weighting:** 20%

### References

**Berry, M. (2011).** Public Safety Diver: Basic Essentials. Professional Association of Dive Instructors (PADI).

## Assessment Strategy for IPSQA 3007 Emergency Vehicle Operator Syllabus

This assessment strategy ensures a comprehensive evaluation of students' theoretical knowledge, practical skills, and professional competencies, aligning with the IPSQA 3077 Emergency Vehicle Operator syllabus.

### Written Assessments

#### ***Task 1. Research Paper on Emergency Vehicle Operations (Knowledge Requirements K1-K13)***

**Description:** Students will write a research paper covering topics such as selectable vehicle driving modes, escape tactics from submerging vehicles, environmental hazards, safe driving practices, human factors affecting emergency response driving, vehicle dynamics, safety features, and local laws and rules for emergency response driving.

**Purpose:** This assessment will evaluate students' understanding of theoretical concepts and their ability to articulate knowledge in written form.

**Word Limit:** 2,500 words

**Referencing Style:** APA 8th

**Passing Criteria:** Achieves 50% or higher using rubric.

**Due Date:** Week 6

**Weighting:** 20%

#### ***Task 2. Incident Management Plan (Knowledge Requirements K10-K13)***

**Description:** Students will create a detailed incident management plan for a hypothetical emergency vehicle operation, including navigation, communication systems, defensive driving tactics, vehicle positioning, and post-response checks.

**Purpose:** This task assesses students' ability to apply theoretical knowledge to practical scenarios.

**Passing Criteria:** Achieves 50% or higher using rubric.

**Due Date:** Week 8

**Weighting:** 10%

## Oral Assessments

### ***Task 3. Group Presentation on Crisis Communication (Knowledge Requirements K5, K11)***

**Description:** In groups, students will research a crisis event involving emergency vehicle operations, present the event, the organisation's response, the result, and lessons learned. The presentation will be recorded with voiceover and submitted online.

**Purpose:** This assessment evaluates students' ability to communicate effectively, work collaboratively, and analyse real-world events relating to emergency driving.

**Duration:** Presentation should be between 5 and 10 minutes long.

**Passing Criteria:** Achieves 50% or higher using rubric.

**Due Date:** Week 10

**Weighting:** 10%

### ***Task 4. Viva Voce Examination (Knowledge Requirements K1-K13)***

**Description:** An oral examination where students answer questions related to the knowledge requirements of the syllabus.

**Purpose:** This assessment tests students' verbal articulation of their knowledge and their ability to think on their feet.

below 50%, using rubric.

**Due Date:** Week 12

**Weighting:** 10%

## Performance Assessments

### ***Task 5. Practical Skills Assessment (Skill Requirements S1-S8)***

**Description:** Students will demonstrate various practical skills, including pre-response vehicle systems checks, route planning and navigation, operating communication systems, applying defensive driving tactics, vehicle positioning at incidents, refueling/recharging, and post-response vehicle checks.

**Purpose:** This hands-on assessment evaluates students' ability to perform essential emergency vehicle operation tasks in real-world scenarios.

**Passing Criteria:** 1 major or three discrepancies on skill sheet constitute a fail.

**Due Date:** Practical skill assessment in Week 14

**Weighting:** 30%

### **Task 6. Simulation Exercises (Professional Requirements P1-P6)**

**Description:** Students will participate in simulated emergency vehicle operations, including responding urgently in congested urban traffic, navigating open highways, and reflecting on logged experiences. These exercises will be logged and verified.

**Purpose:** This assessment ensures that students gain practical experience and can apply their skills in controlled, realistic environments.

**Due Date:** Throughout the course, with final verification in Week 16

**Weighting:** 20%

### References

**Hsiao, H., Chang, J., & Simeonov, P. (2018).** Preventing emergency vehicle crashes: Status and challenges of human factors issues. National Institute for Occupational Safety and Health. Retrieved from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7685529/>

**USFA. (2009).** Emergency vehicle visibility and conspicuity study. U.S. Fire Administration. Retrieved from [https://www.usfa.fema.gov/downloads/pdf/publications/fa\\_323.pdf](https://www.usfa.fema.gov/downloads/pdf/publications/fa_323.pdf)