

## Appendix B: Job Hazard Analysis

Unit –		
Job Title: A-312 Pool Exercise JHA		
Job Performed by: Qualified A-312 Instructors		
<b>Instructor to Instructor – Job Hazard Analysis</b>		
Sequence Of Job Steps	Potential Hazard / Injury Source	Safe Action or Procedure
Dunker Operations	<ul style="list-style-type: none"> <li>Entanglement, disorientation</li> </ul>	<ul style="list-style-type: none"> <li>Instructor should review proper placement for pool instructor based on dunker insertion</li> <li>Pool instructor should be aware of potential students with high anxiety and/or physical limitations to become entangled</li> </ul>
Dunker Operations	<ul style="list-style-type: none"> <li>Unconscious participant – head trauma or hypoxia, cardiac emergency, breathing complications</li> </ul>	<ul style="list-style-type: none"> <li>Instructors should discuss potential actions to be taken in the event of an unconscious victim</li> <li>Utilized PPE, such as gloves and mask if and when providing emergency care to the participant</li> <li>Important – Get participant’s head above water as quickly as possible</li> </ul>
Dunker Operation	<ul style="list-style-type: none"> <li>Participant experiencing a seizure</li> </ul>	<ul style="list-style-type: none"> <li>Provide emergency care to participant as necessary</li> <li>HOLD the student head face-up in the water until help arrives</li> </ul>
Dunker Operation	<ul style="list-style-type: none"> <li>Back injuries from contact with dunker during entries</li> </ul>	<ul style="list-style-type: none"> <li>Ensure Seat belts are snug on students and the students maintain crash position until they enter the water</li> <li>Ensure the dunker enters water as smoothly as possible</li> </ul>
Dunker Operation	<ul style="list-style-type: none"> <li>Dunker Failure – PVC breaks or comes apart</li> </ul>	<ul style="list-style-type: none"> <li>Thoroughly inspect all dunker pieces during the initial configuration and continue to inspect for product integrity after each cycle is complete</li> <li>Look for cracks, breaks, or lose fittings</li> <li>Tighten dunker straps to fit snugly</li> </ul>

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Instructor to Student – Job Hazard Analysis		
Sequence Of Job Steps	Potential Hazard/Injury Source	Safe Action or Procedure
Safety Equipment Around pool	<ul style="list-style-type: none"> <li>• Injury or incident requiring action</li> </ul>	<ul style="list-style-type: none"> <li>• Point out safety equipment locations</li> </ul>
How to contact EMS	<ul style="list-style-type: none"> <li>• Injury or incident requiring action</li> </ul>	<ul style="list-style-type: none"> <li>• Point out the phone and identify who will make the call to EMS</li> </ul>
EMS route to enter building	<ul style="list-style-type: none"> <li>• Injury or incident requiring action</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure locked doors will not allow EMS entry</li> </ul>
EMT or First Responders in class	<ul style="list-style-type: none"> <li>• Injury or incident requiring action</li> </ul>	<ul style="list-style-type: none"> <li>• Instructor identifies and makes known to class roles of EMT or First Responders in case of emergency</li> </ul>
Brief student to pay attention to instructor during pool session	<ul style="list-style-type: none"> <li>• Loss of situational awareness</li> </ul>	<ul style="list-style-type: none"> <li>• Instructor may be passing on information to another student that might be beneficial to other student s</li> <li>• Allows more one-on-one instruction for students in dunker</li> <li>• Brief participants not involved with dunker operations to pay attention at all times and keep side conversations to a minimum</li> <li>• Follow deck instructor directions</li> </ul>
Pool Safety Rules	<ul style="list-style-type: none"> <li>• Horse play, running, diving, slips, falls</li> </ul>	<ul style="list-style-type: none"> <li>• Brief student regarding the need to follow all posted pool signs</li> <li>• Ensure that the students are corrected if the activity around the pool becomes a distraction or potential hazards to safety</li> </ul>
Swimming exercises	<ul style="list-style-type: none"> <li>• Drowning</li> </ul>	<ul style="list-style-type: none"> <li>• Instructor watch students during the exercise, ready to assist anyone who may be showing signs of struggling to stay above water</li> </ul>
PDF, HELP, HUDDLE, CARPET exercises	<ul style="list-style-type: none"> <li>• Drowning</li> </ul>	<ul style="list-style-type: none"> <li>• Instructor watch students during the exercise, ready to assist anyone who may be showing signs of struggling to stay above water</li> </ul>
Raft Exercise	<ul style="list-style-type: none"> <li>• Abrasions or scratched caused by sliding over raft</li> <li>• Getting caught in rope or webbing on raft</li> <li>• Rolling out of the raft onto another student</li> <li>• Shoulder injuries pulling</li> </ul>	<ul style="list-style-type: none"> <li>• Advise student to wear protective cloth and be aware of potential for abrasion by grommets, straps, other projections</li> <li>• Stress the importance of rolling off of the raft properly</li> <li>• Stress the need for students to look before they exit the raft</li> <li>• Instructor should demonstrate the proper way to assist someone into the raft</li> </ul>

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	someone into raft, or being pulled into raft	
Visualization Exercise	<ul style="list-style-type: none"> <li>Collision with other students or possible contact with pool edge or bottom</li> </ul>	<ul style="list-style-type: none"> <li>Brief students on how to roll properly into the water</li> <li>Ensure proper spacing (minimum arm's length apart) along the edge of the pool</li> </ul>
<b>Instructor to Student - DUNKER Briefing</b>		
Sequence Of Job Steps	Potential Hazard / Injury Source	Safe Action or Procedure or Briefing point
Moving Dunker equipment	<ul style="list-style-type: none"> <li>Muscle Strain</li> <li>Back injuries</li> </ul>	<ul style="list-style-type: none"> <li>Practice proper lifting techniques</li> <li>Use a minimum of two people to move the dunker equipment</li> </ul>
Dunker Operation	<ul style="list-style-type: none"> <li>Over-grossing the dunker</li> <li>Lack of understanding who is in charge on the deck and in the pool</li> <li>Signal for students to use if they have a problem in the water</li> <li>Apprehensive students</li> </ul>	<ul style="list-style-type: none"> <li>Ensure gross weight of students combined does not exceed 450 lbs by pairing students appropriately</li> <li>Ensure that all participants have been briefed regarding who will take charge in the event of emergency</li> <li>Brief participants on the universal sign (slashing motion across throat) for stop exercise</li> <li>Suggest that the student(s) go soon than later in dunker</li> <li>Assure students that no one will be dunked until they confirm they are ready</li> </ul>
Dunker Operation (In-pool student assistants)	<ul style="list-style-type: none"> <li>Injured or panicked student in Dunker</li> <li>Injury to in-pool student assistants from being hit by the dunker or from lifting the dunker</li> </ul>	<ul style="list-style-type: none"> <li>Instruct student to keep head out of water during the exercise so they can hear the deck or pool instructor yell "UP, UP, UP"</li> <li>Instruct in-pool student assistants to watch for pool instructor up sign</li> <li>Pool instructor demonstrates how to lift the dunker to get trapped students head above water</li> <li>Instructor instructs the in-pool student assistants to refrain from blocking the instructors view, and to not block the dunker exits</li> <li>Instruct in-pool student assistants not to catch dunker while it is entering the pool</li> <li>Instruct in-pool student assistants on how to guide the dunker into the pool</li> <li>Instruct the in-pool student assistants on how to reset the dunker onto deck</li> </ul>

## Appendix B: Job Hazard Analysis

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Dunker Operations (On-deck student assistants)	<ul style="list-style-type: none"><li>• Lifting injury</li><li>• Slips</li></ul>	<ul style="list-style-type: none"><li>• Use the pool edge to pivot dunker weight and slide dunker on mat “DO NOT LIFT”</li><li>• Brace one foot on the mat for traction</li></ul>
Dunker Operations (Students in dunker)	<ul style="list-style-type: none"><li>• Injuries</li></ul>	<ul style="list-style-type: none"><li>• Brief students regarding the importance of proper seatbelt/restraint placement and proper emergency brace position</li></ul>

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