COURSE OUTLINE
Ice Water Rescue Technician

Course Description
FS 151. Ice Water Rescue Technician. 1 hour credit. Prerequisite: FS 100 and FS 149 both with a C or better. This course will enable the student to recognize conditions requiring an ice water rescue, properly perform a risk assessment, implement a rescue plan, perform an ice water rescue using established methods, and prepare an after-action report or debriefing. The student will also learn hazard recognition, equipment use, and techniques necessary to operate an ice water rescue incident, using National Fire Protection Association’s 1006 and 1670 standards pertaining to Ice Water Rescue.

Required Materials
For complete material(s) information, refer to https://butlercc.bkstr.com

Butler-Assessed Outcomes
The intention is for the student to be able to
1. Recognize conditions requiring ice water rescue.
2. Perform a risk assessment leading to a rescue plan.
3. Perform an ice water rescue.

Learning Outcomes
The intention is for the student to be able to:
1. Identify procedures for initiating the emergency response system where ice water rescue is required.
2. Identify the different types of ice and dangers associated with each type.
3. Identify procedures for carrying out site control and scene management.
4. Recognize hazards associated with ice water rescue and the procedures to mitigate these hazards.
5. Distinguish between a rescue and a recovery.
6. Perform both a risk assessment as well as resource assessment.
7. Maintain and properly care for PPE and equipment.

Learning PACT Skills that will be developed and documented in this course
Through involvement in this course, the student will develop ability in the following PACT skill area(s):

Analytical Thinking Skills
- Problem solving - Using analytical processes, the student will gather data during an initial scene size-up and determine the proper and safest course of action.

Technology Skills
• Discipline-specific technology - Through the demonstration of various ice water rescue skills and techniques, the student will gain proficiency in the use of discipline-specific technology.

Major Summative Assessment Task(s)
These Butler-assessed Outcome(s) and Learning PACT skill(s) will be demonstrated by
1. Performing a series of cognitive and psychomotor assessments to demonstrate proficiency in the ice water rescue techniques detailed in the National Fire Protection Associations 1006 and 1670 standards.

Skills or Competencies
These actions are essential to achieve the course outcomes:
1. Recognize the need for an ice water rescue.
2. Identify resources necessary to conduct safe and effective ice water operations.
3. Demonstrate site control and site management measures.
4. Identify general hazards associated with ice water operations and the procedures necessary to mitigate these hazards.
5. Perform risk/benefit analysis.
6. Perform an ice water rescue safely and effectively.
7. Perform a debriefing.

Learning Units
I. Procedures for sizing up existing and potential conditions
   A. Scope, magnitude, and nature of the incident
   B. Location, number, and condition of victims
   C. Risk/benefit analysis
   D. Access to the scene
   E. Environmental factors
   F. Available and necessary resources

II. Personal safety at ice water operations
   A. Personal flotation devices
   B. Thermal protection
   C. Appropriate head protection
   D. Acceptable cutting devices
   E. Contamination protection

III. Classifications of ice water
   A. Terminology
   B. How water reacts to different weather conditions

IV. PPE
   A. Proper PPE for water conditions
   B. Equipment maintenance and care
   C. Servicing equipment
   D. Ice board/ice picks/tether
**Learning Activities**
Learning activities will be assigned to assist the student to achieve the intended learning outcomes through lecture, instructor-led class discussion, guest speakers, group activities, drills/skill practice, and other activities at the discretion of the instructor.

**Grade Determination**
The student will be graded on learning activities and assessment tasks. Grade determinants may include the following: daily work, quizzes, chapter or unit tests, comprehensive examinations, projects, presentations, class participation, and other methods of evaluations at the discretion of the instructor.