



**SCHOOL OF HEALTH, PHYSICAL  
EDUCATION, AND RECREATION**

**INDIANA UNIVERSITY**

**Certificate in Underwater Resource Management  
(24 Cr)**

2.0 cumulative GPA required in all courses used for the Certificate  
Effective for students matriculating spring 2009

Kinesiology - HPER 112 (812) 855-5523

Recreation, Park, & Tourism Studies – HPER 133 – (812) 855-4711

**18 of the required 24 credits must consist of courses within the School of HPER  
2.0 cumulative GPA required**

**Underwater Resource Management Core Courses (11 - 12 cr.)**

**Minimum One Required Field Study course (3 Cr.):**

- HPER-P 491 Research in Kinesiology (3 Cr)
- ANTH-A 496 Field Study in Anthropology (3 Cr)
- BIOL-L 433 Tropical Biology (3 Cr)
- HPER-R 499 Research in Recreation (3 Cr)

**Choose at least three of the following courses (7 - 9 cr.):**

- HPER-E 270 Introduction to Scientific Diving (2 Cr)
- HPER-R 322 Scientific Diving (3 Cr)
- HPER-R 424 Shipwreck Parks as Underwater Museums (3 Cr)
- HPER-E 471 Underwater Archaeology Techniques (2 Cr)

**Choose the remaining 11 - 12 credits from courses listed below:**

**RPTS Courses Related to Resource Management**

- HPER-R 271 Dynamics of Outdoor Recreation (3 Cr)
- HPER-R 280 Natural History (3 Cr)
- HPER-R 338 Integrated Resource Management (3 Cr)
- HPER-R 372 Interpretation & Tour Guiding(3 Cr)
- HPER-R 418 Strategies & Methods of Interpretation (3 Cr)
- HPER-R 423 Visitor Behavior (3 Cr)
- HPER-R 425 Ecosystem Management (3 Cr)

**HPER Academic Diving Program**

- HPER-E 272 Scuba Knowledge Development (1 Cr)
- HPER-E 370 Scuba Certification (2 Cr)
- HPER-E 371 Advanced Scuba (2 Cr)
- HPER-E 470 Diver Safety and Rescue (3 Cr)
- HPER-E 374 Boating Safety (2 Cr)
- HPER-P 472 Scuba Instructor Development (3 Cr)

**SPEA Courses Related to Environmental Management of  
Water Resources**

- SPEA-E 162 Environment and People (3 Cr)
- SPEA-E 400 / E555 Coral Reef Ecology (3 Cr)
- SPEA-V 450 Environment and Regulations (3 Cr)
- SPEA-E 455 Limnology (4 Cr)
- SPEA-E 456 Lake and Watershed Management (3 Cr)
- SPEA-E 457 / E557 Intro to Conservation Biology (3 Cr)
- SPEA-E 555 Topics in Environmental Science (3 Cr)

**COAS Anthropology Courses Related to Underwater  
Archaeology**

- ANTH-A 399 Honors Tutorial (3 Cr)
- ANTH-A 401 Cultural Resource Management (3 Cr)
- ANTH-A 408 Anthropology: Museum Practicum (3 Cr)
- ANTH-A 495 Individual Readings in Anthropology (1-4 Cr)
- ANTH-P 330 Historical Archaeology (3 Cr)
- ANTH-P 399 Undergraduate Seminar (3 Cr)
- ANTH-P 409 Archaeological Ethics (3 Cr)