Hagerstown Community College
MASTER SYLLABUS
PHS 113/113L
AMS Ocean Studies

COURSE: AMS Ocean Studies, 4 credits
INSTRUCTOR: Annitsa Spanos
SEMESTER/YEAR: Fall 2017

COURSE DESCRIPTION:
AMS Ocean studies is an introductory oceanography course provided by the American Meteorological Society (AMS) in cooperation with the National Oceanic and Atmospheric Administration (NOAA). The course examines the world ocean from an earth system perspective and emphasizes (1) the flow and transformations of water and energy into and out of the ocean, (2) properties of seawater, (3) ocean circulation, (4) marine life, (5) interactions between the hydrosphere, atmosphere, geosphere, and biosphere, and (6) the human/societal impacts on these interactions.

TEXTBOOKS:
Textbook:
Moran JM, Editor. *Ocean Studies*: Introduction to Oceanography, 3rd Edition. American Meteorological Society. Current Year. ISBN 978-1-93704-96-6

Lab Manual:
Ocean Studies Investigations Manual/Globe 9th Ed. American Meteorological Society. Current Year. ISBN 978-1-935704-97-3.

Course website http://www.ametsoc.org/amsedu/online/oceaninfo/samplecourse/homepage.htm

STUDENT LEARNING OUTCOMES:
Upon completion of Ocean Studies for Physical Science, students will

1. Relate a basic core of scientific principles to real-world environmental data
2. Demonstrate observational and analytical skills using real world data provided by the AMS
3. Formulate conclusions based on observations and information
4. Use technology to access scientific information, generate and analyze empirical data, and solve problems

Services for Students with Disabilities: Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at dss@hagerstowncc.edu or at 240-500-2530.

COURSE ACTIVITY	HOURS REQUIRED	
Discussion Board (online)	14 weeks x 2 h/week =	28 h
Reading each chapter in textbook	14 weeks x 1.5 h/week =	21 h
Exams (3) not including final exam	4 h/exam	12 h
Quizzes (online)	10 quizzes x ½ h /quiz =	5 h
Lab investigations and reports (online)	14 labs x 1.5 h/lab	21 h
Final Exam (comprehensive)	6 h study time	6 h
Total		**93 h**