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**Biology Department, College of Science & Mathematics, Valdosta State University**
**FALL 2020----COURSE SYLLABUS*#**

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**BIOL 3100, Sections A & B. Microbiology (CRN 81996 & 81997) - 4 credit hours**
**BIOL 5100, Sections A & B Microbiology (CRN 82019 & 83798) – 4 c**

**pm. Appointments may also be made.**

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**Course Description: BIOL 3100 Microbiology** 3-3-**4 (4 credit hours)** Prerequisites: BIOL 1107K, BIOL 1108K, BIOL 3200, CHEM 1211/CHEM 1211L, CHEM 1212/1212L. Recommended: CHEM 3402. **BIOL 5100 Microbiology** 3-3-**4 (4 credit hours)** Prerequisite: Admission into the graduate program or permission of the instructor. Survey of microbiology covering eubacteria, archaebacteria, protozoa, fungi, algae, and viruses. Includes fundamental techniques, microbial physiology and genetics, biotechnology, medical applications, and applied microbiology. Two 1.5-hour laboratory periods per week.

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**Required Textbook:** **BROCK BIOLOGY OF MICROORGANISMS, Fifteenth Edition**
by Michael T. Madigan, Kelly S. Bender, Daniel H. Buckley, W. Matthew Sattley, and David A. Stahl. Pearson Education, Inc. 2018.
Textbook options (select one): (1) traditional, hard-cover book (ISBN 9780134261928); (2) unbound loose-leaf book (ISBN: 9780134626109) ; (3) "Mastering Microbiology" with Etext for BrockBiology of