**COLLIN COLLEGE**

**COURSE SYLLABUS**

Course Information

**Course Number:** CSFA 1175

**Course Title:** Perioperative Microbiology and Bioscience

**Course Description:** Course covers three main components: fundamental concepts in microbiology and infection, major clinical syndromes corresponding to the clinical specialties, and additional information on bacteriology, virology, parasitology, mycology, and entomology, including related laboratory tests and antibiotics. Emphasis on surgical events related to wound healing and the integrity of the surgical wound. Also covered are different diagnostic tests and the relationship between those tests and the management of the surgical patient. In addition, issues surrounding the care and handling of surgical specimens, management of the critically ill patient, thermoregulatory devices, fluid balances and related issues and, finally, skin assessment are discussed in detail.

**Course Credit Hours:** 1

 Lab Hours: 3

**Student Learning Outcomes:**

* Upon successful completion of this course, students will:
1. Analyze the causes of surgical site infections (SSI).
2. Assess the signs of SSIs and evaluate the methods for prevention of SSI’s.
3. Summarize the specific uses of antibiotics.
4. Demonstrate an understanding of various diagnostic tests and handling of surgical specimens.
5. Summarize the physiological composition of body water and solutes.

**Withdrawal Policy:** See the current *Collin Registration Guide* for last day to withdraw.

**Collin College Academic Policies:** See the current *Collin Student Handbook*

**Americans with Disabilities Act Statement:** Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.

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