

**Microbiology and Medicine**

**Biology 329**

Spring 2011

Tues, Thursday, 7-8:15 p.m.

Bowers Hall Rm 51

Week	Class	Date	Day of week	Topic	Reading
1	1	1/25	Tues	Introduction: what is microbiology and what is disease?	Learning Skills (L1-L21) Chapt 1 (3-14)
	2	1/27	Thurs	Tuberculosis - what do you know? Beginning to muse about bacteria	Chapt 21 (490-492); Chapt 4 (53-63); Chapt 9 (155-176); Chapt 10 (183-198)
2	3	2/1	Tues	All about bacteria continued; <b>QUIZ 1</b>	
	4	2/3	Thurs	Prokaryote vs. Eukaryote	Chapt 4 (63-74)
3	5	2/8	Tues	Requirements for infection; <b>QUIZ 2</b>	Chapt 5 (79-98)
	6	2/10	Thurs	Protozoan parasitic infections	Chapt 14 (289-309)
4	7	2/15	Tues	Infections of the genitourinary system - Herpes Simplex virus; <b>QUIZ</b>	Chapt 23 (543-560)
	8	2/17	Thurs	Viruses and their unique characteristics	Chapt 12 (241-265); Chapt 13 (267-285)
5	9	2/22	Tues	Viruses Con't; <b>QUIZ 4</b>	
	10	2/24	Thurs	Innate immune system; Presentation topics distributed	Chapt 15 (325-356)
6	11	3/1	Tues	Adaptive immune response; <b>QUIZ 5</b>	Chapt 16 (357-386)
	12	3/3	Thurs	Adaptive immune response	
7	13	3/8	Tues	Failures of the immune response - AIDS; <b>QUIZ 6</b>	Chapt 17 (387-407)
	14	3/10	Thurs	Infections of the digestive system - <i>Clostridium difficile</i> in particular	Chapt 22 (507-538)
8		3/15	Tues	SPRING BREAK	
		3/17	Thurs	SPRING BREAK	
9	15	3/22	Tues	Central nervous system infections; <b>QUIZ 7</b>	Chapt 24 (565-585)
	16	3/24	Thurs	Infections of the blood; <b>WRITTEN PRESENTATIONS DUE</b>	Chapt 25 (585-610)
10	17	3/29	Tues	The world of fungi and fungal infections of the respiratory system - Aspergillosis; <b>QUIZ 8</b>	Chapt 14 (309-317); Chapt 21 (499-503)
	18	3/31	Thurs	<b>Presentations</b> ; Infections of the skin	Chapt 26 (611-624)
11	19	4/5	Tues	<b>Presentations</b> ; Emerging infectious Diseases; <b>QUIZ 9</b>	Chapt 8 (131-154)
	20	4/7	Thurs	<b>Presentations</b> ; Guest Speaker	

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12	21	4/12	Tues	<b>Presentations; What are prions? QUIZ 10</b>	Chapt 8 (147-150)
	22	*4/14	Thurs	<b>Presentations; How do labs identify microbes?</b>	Readings to be assigned
13	23	**4/19	Tues	Antibiotics	Chapt 19 (435-462)
	24	4/21	Thurs	<b>Presentations; Antibiotics Con't</b>	
14	25	4/26	Tues	<b>Presentations; Biology of Antibiotic Resistance; QUIZ 11</b>	Chapt 11 (229-235) Chapt 20 (463-480)
	26	4/28	Thurs	<b>Presentations; Antibiotic Policy Discussion</b>	Readings to be assigned
15	27	5/3	Tues	<b>Presentations; The human microbiome; QUIZ 12</b>	
	28	5/5	Thurs	Bioterrorism	
16		5/10	Tues	Review Session; <b>FACT SHEETS DUE</b>	
		5/11	Wed	STUDY DAY	
		5/12	Thurs	STUDY DAY	
		5/13	Fri	Final Exam Period Starts	
17		5/17	Tues	<b>FINAL EXAM 7-9 PM</b>	
		5/20	Fri	Final Exam Period Ends	

\*Last day to withdraw from class

\*\*Passover

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Tues, Thursday, 7-8:15 p.m.

Dr. Kimberly Cameron

**Biology 329**

Bowers Hall Room 51

**Office:** 223 Bowers Hall   **Phone:** 607-753-4842   **Email:** kimberly.cameron@cortland.edu

**Textbook:** Microbiology: a clinical approach by Anthony Strelkauskas, Jennifer Strelkauskas and Danielle Moszyk-Strelkauskas. 2010. 1st edition. Garland Science. 733 p.

**Course Description:** Bio 329 is a special topics course that focuses on understanding microbes that cause human disease. Lectures will meet Tuesday and Thursday with a weekly quiz every Tuesday. Students are encouraged to actively participate in class and will be involved in a 2 or 3 person (depending on number of students) class presentation.

**Office Hours:** Students are encouraged to contact me as needed, during office hours or by appointment. My office is located in Bowers Hall #223; phone 607-753-4842; email: kimberly.cameron@cortland.edu. Appointments can be scheduled beforehand or walk-ins are welcome during office hours: Tuesday and Thursday 6-7 p.m.

**Quizzes and Final Examination:** Quizzes and the final examination will include multiple formats including multiple choice, matching, fill-in-the blank and short essay. The final exam will be cumulative.

**Class Attendance:** In accordance with the Cortland College Handbook: "It is the policy of the College that regular class attendance is a basic requirement in all courses. However, as long as absences are not excessive, it shall be the students' performance and not their attendance record that shall determine their course grades. Penalties for excessive absences, as determined by the instructor's policy, shall not exceed one-third of a letter grade per class hour of absence.

Students are responsible for all work missed. Instructors shall establish procedures to allow students who have been absent for valid reasons to make up missed class work. If students anticipate having to miss class, it is their responsibility to inform the instructor ahead of time. Undergraduate students who miss a final examination will receive an E for that course unless they obtain an excuse for their absence from their dean."

**Examination Policy:** Quizzes will be administered at the beginning of each Tuesday class and the final examination will be administered at the scheduled exam time. As a general rule, no make-up quizzes will be given and missed quizzes automatically receive a grade of zero. Exceptions may rarely be made in cases where a quiz is missed due to promptly documented, completely unavoidable circumstances.

If you are a student with a disability and wish to request accommodations, please contact the Office of Student Disability Services located in B-40 Van Hoesen Hall or call (607) 753-2066 for an appointment. Information regarding your disability will be treated in a confidential manner.

<b>Grading System</b>					
<b>Type of Exam</b>	<b>Points</b>	<b>No. of exams</b>	<b>Total Points</b>	<b>% of grade</b>	<b>Notes</b>
Quiz	10 each	12	100	50%	Lowest 2 scores will be dropped
Presentation - Written	25	1	25	12.5%	Information to be provided
Presentation - Oral	20	1	20	10%	
Presentation - Fact Sheet	5	1	5	2.5%	
Final Exam	50	1	50	25%	Cumulative
<b>Total Points</b>			<b>200</b>	<b>100%</b>	

<b>Letter Grade</b>	<b>Points</b>	<b>Percentage Range</b>
A+	194-200	90-100%
A	187-193	
A-	180-186	
B+	174-179	80-89%
B	166-173	
B-	160-165	
C+	154-159	70-79%
C	146-153	
C-	140-145	
D+	134-139	60-69%
D	126-133	
D-	120-125	
E	<120	Below 60%