**INSTRUCTOR INFORMATION**
Name: Dr. Jane Schuh, Ph.D.
Office: Van Es 187G
Telephone: 231-7841
Email: Jane.Schuh@ndsu.edu

**COURSE INFORMATION**
Course: MICR470/670 Basic Immunology
Location: Van Es Hall, room 101
Day / Time: Section 1, M-W-F 11:00-11:50 am
Section 2, M-W-F 1:00-1:50 pm
Office hours: M-W-F 12-1 pm, or by appointment

**TEXT**
- Basic Immunology, Functions and Disorders of the Immune System, Third Edition or updated edition. The text is required for the course.

**COURSE WEBSITE**
- Students need to have an NDSU email address and will need to use the "Blackboard" system for this course. Announcements, handouts, assignments, instructions, quizzes, grades, and other information may be posted at this site. Please notify the instructor if help is needed to navigate the Blackboard site. All correspondence with the instructor must be through an NDSU email account. Email will typically be answered during class office hours. Please call the instructor for urgent business.

**COURSE OBJECTIVES**
- This course provides an introductory survey of basic immunology suitable for those with little prior exposure to immunology but at a level suitable for advanced undergraduate students and graduate students. It is intended for students majoring in microbiology, biological sciences, physical sciences, pre-professional programs, food safety, biotechnology, clinical lab science, as well as anyone with an interest in the workings of the immune system. The course is intended to give the student a basic understanding and overview of immunology. The student’s level of understanding will be assessed through a series of tools explained in this syllabus. After the successful completion of this course, the student will have a solid understanding of fundamental immunology and its function in health and disease.

**COURSE POLICIES**
- The Veterinary and Microbiological Sciences Department values lifelong discovery, intellectual integrity, collegiality, and diversity.
- Attendance and participation are expected.
- Academic honesty is required. Please see the College of Agriculture’s honor code statement (Honor Code). Suspected cases of academic misconduct will be directed to the College of Agriculture’s Honor Commission. Failure to abide by the honor code will result in failure of the course.
- This course has been designed using the principles of Universal Design of Instruction in an attempt to access all learners. Any student with disabilities or situations requiring special accommodations in this course is invited to share these concerns with the instructor or to contact Disability Services (1-7198) as soon as possible to resolve the issue.
Any student who has difficulties understanding the instructor (for example, due to voice pitch or accent) is invited to talk to the instructor or to Dr. Neil Dyer, Head of the VMS Department (1-7521) as soon as possible to find a solution to the impediment.

Students are responsible for the accuracy of their grades. Any discrepancies must be reported to the instructor within two weeks of the activity, quiz, or exam.

**ASSESSMENT**

- There will be one mini exam (25 questions), 3 midterm exams (50 questions each), and one final exam (75 questions). Objective: to assess the student's understanding of the topic material and applications of immunology
- Students will be expected to take each examination at the designated date and time. **Missing an examination should be avoided at all cost.** A single examination may be made-up in the case of a missed exam. Make-up examinations will be administered once, during Final Examination week. They will follow the essay format. Students will need the prior approval of the instructor to take a make-up exam.
- Examinations will cover material from lecture, class discussions, and the textbook. **It is necessary and important for students to be able to memorize and to recall factual information; however, students will also be required to demonstrate their ability to apply the information and concepts they have learned.**
- Graduate students will be expected to answer additional, more in-depth questions on exams and to help facilitate student learning during in-class exercises to fulfill the requirements of graduate credit.
- Students' scores will not be curved, although the instructor reserves the right to adjust scores based on superlative class participation.

**TESTING DATES**

- **Mini exam, chapter 1 (self review): Monday, August 30th**
- **Exam 1, chapters 2-4: Monday, September 27th**
- **Exam 2, chapters 5-6: Friday, October 22nd**
- **Exam 3, chapters 7-8: Wednesday, November 17th**
- **Make-up exam: Friday, December 10th (last day of class)**
- **Final, chapters 9 & 11 and cumulative**
  - Section 1: Tuesday, December 14th – 8:00 am – 10:00 am, Van Es 101
  - Section 2 Final: Wednesday, December 15th – 1:00 pm – 3:00 pm, Van Es 101

**GRADING/DISTRIBUTION OF GRADES**

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percent of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mini exam (25)</td>
<td>10</td>
</tr>
<tr>
<td>Exam 1 (50)</td>
<td>20</td>
</tr>
<tr>
<td>Exam 2 (50)</td>
<td>20</td>
</tr>
<tr>
<td>Exam 3 (50)</td>
<td>20</td>
</tr>
<tr>
<td>Final exam (75)</td>
<td>30</td>
</tr>
<tr>
<td>Total: 250</td>
<td>Total: 100%</td>
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**Grading**  
Performance with respect to knowledge of the subject

- 90-100% Superior, with distinction
- 80-89% Excellent in many, but not all, aspects
- 70-79% Expected level of performance (average)
- 60-69% Minimum passing
- <60% Failure to demonstrate knowledge