

Submit originals (including syllabus) and one copy and electronic copy to the **Faculty Senate Office**  
See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

**CHANGE COURSE (MAJOR) and DROP COURSE PROPOSAL**

*Attach a syllabus except if dropping a course*

**SUBMITTED BY:**

**3. COURSE FORMAT**

NOTE: Course hours may not be compressed into fewer than three days per credit. Any course compressed into fewer than six weeks must be approved by the college or school's curriculum council and the appropriate Faculty Senate curriculum committee. Furthermore, any core course compressed to less than six weeks must be approved by the Core Review Committee.

COURSE FORMAT: (check all that apply)	<input type="checkbox"/>	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4	<input type="checkbox"/>	5	<input checked="" type="checkbox"/>	6 weeks to full
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apply)	
Mode of delivery (specify lecture, field trips, labs, etc.)	Lecture

**4. COURSE CLASSIFICATIONS:** (undergraduate courses only. Use approved criteria found in Chapter 12 of the curriculum manual. If justification is needed, attach separate sheet.)

H = Humanities	<input type="checkbox"/>	S = Social Sciences	<input type="checkbox"/>
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Will this course be used to fulfill a requirement for the baccalaureate core?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
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**7. COMPLETE CATALOG DESCRIPTION AS IT SHOULD APPEAR AFTER ALL CHANGES ARE MADE:**

**BIOL F465 Immunology**

3 Credits  
Offered Fall

Adaptive immune response including its components and activation from cells to molecules, clonal selection, antigen recognition, and discrimination between foreign and self. Concepts applied on the level of intact



ADDITIONAL SIGNATURES: (As needed for cross-usings and/or backing) add multiple copies as needed

Signature: [Signature] Date: 07/07/20

My School of: \_\_\_\_\_

**ATTACH COMPLETE SYLLABUS (as part of this application). This list is online at:**

[http://www.southalabama.edu/academics/graduate/graduate\\_requirements.cfm](#)

# IMMUNOLOGY

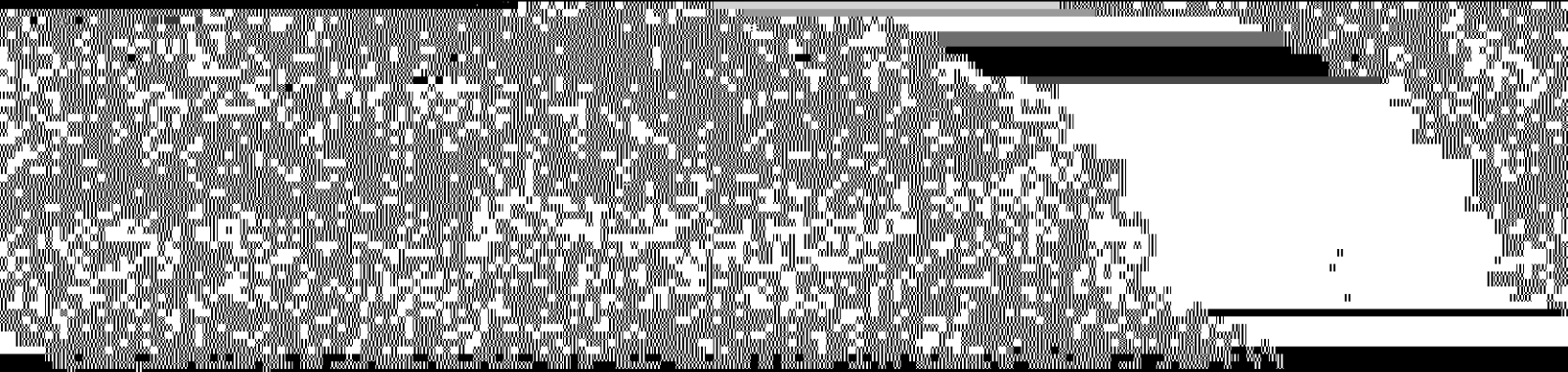
IMM 506 (2) Unit 01 CBI, VVVV

Washington State University  
University of Washington  
Fall Semester 2018

Washington State University  
University of Washington  
Fall Semester 2018

Washington State University  
University of Washington  
Fall Semester 2018

Washington State University  
University of Washington  
Fall Semester 2018



**Course Information**

**Advanced Immunology, DVM 606 (3) CRN YYYYY**

Meeting Times: M/W/F 01:00 – 02:00 p.m.

Meeting Location: Murie 105

Prerequisites: Acceptance into Professional Veterinary Program; or permission of instructor

*Cross-listed and stacked with BIOL F465. (3+0)*

**Instructor**

Andrea Ferrante, M.D., Assistant Professor of Immunology

Laboratory: Murie Building 218

Phone: 474-5916 (office)

E-mail: [aferrante@alaska.edu](mailto:aferrante@alaska.edu)

Mailbox: Irving I Room 211

Office hours: Tuesdays 02:30 – 04:30 p.m. or by appointment



knowledge of the immune response and

of immune response is generated

**Policies**

**Grading**

Grades will be based on the percentage of total points earned out of the total possible points based on the scale below. I will not grade "on a curve" for individual exams.

**Missed assignments and exams:** times for assignments and exams will be designated well in advance. Completion of assignments and exams at the designated time will be the responsibility

of the student. Accommodations will only be made for legitimate and documented contingencies that are determined by the instructor. If you have a conflict with exam dates, please come talk to

subjective, yet important, assessment. If you know that you will miss a lecture due to an

- Gain familiarity with immunological approaches, including basic biophysical and biochemical methods or computational models.
- Gain insight into a specific mechanistic problem at the structural or molecular level, and how this relates to the system in its entirety
- Hone skills related to oral presentations

*Expectations*

Presenting student: all of you will be suggested an article to read one week before the day of presentation. One of you, paired with an undergraduate student from BIOL F465, will be volunteering to lead the discussion. Keep in mind that you are primarily responsible for preparing and animating the presentation and your colleague from BIOL F465 will be assisting you. Please, let me know if you want me to organize a calendar, or you would rather discuss and agree on days that work for each one of you, and inform me accordingly.

general understanding of the main question asked by the specific study, how it was addressed, and what conclusions the authors can draw from the results. You should have a list of questions to ask during the discussion

### Group Assignment – Poster Presentation

A medical science liaison is a person who acts as a bridge of communication between clinical medicine, and other areas of the healthcare industry such as pharmaceutical or medical device

manufacturing. The medical science liaison is a somewhat of a spokesperson and educator, with a bit of clinician and salesperson mixed in.

In this assignment you –as an individual and as a group- will play the role of the medical-science liaison. Each group will be assigned the active principle of a compound with a known

effect on the immune system selected by the instructor. You will be responsible for your understanding of the pharmacodynamics of the compound assigned to you and based on its

work with a partner or partners depending on the nature of the project, your contribution to a collective assignment must be your individual work, clearly indicated and acknowledged by your peers. Any instances of these or any types of academic dishonesty will result in a grade zero on the work involved (this may include all the work in the category for a semester if the incident is severe).

dishonesty involves a written exam, all the written exam scores may be changed to zeros), forwarding the incident to appropriate University personnel, and may result in an F in the course and/or expulsion from the University. If you are in doubt as to whether something constitutes academic dishonesty, ask your instructor.

**Plagiarism** is the overt or covert use of other people's work or ideas without acknowledgement of the source. It is a type of academic dishonesty. Plagiarism includes using

Week	Date	Topic	Homework
1	F 09/04	Medical Importance of the Immune System	
2	M 09/07	Cells and Organs of the Immune System	
	W 09/09	Innate Immunity/Inflammation	
	F 09/11	Immunogens & Antigens	
3	M 09/14	Antibody Structure and Function I	
	W 09/16	Antibody Structure and Function II	
	F 09/18	Journal Club	
4	M 09/21	Complement	HW1 due
	W 09/23	Exam 1	
	F 09/25	Journal Club	
5	M 09/28	Genetic Basis of Ab Structure	
	W 09/30	Role of MHC in the Immune Response	
	F 10/02	Journal Club	
6	M 10/05	The T Cell Receptor: Structure and Genetic Basis	HW2 due
	W 10/07	Adaptive Immune Response: Activation of T and B Cells	
	F 10/09	Journal Club	
7	M 10/12	Cytotoxic Cell Mediated Immunity	
	W 10/14	Exam 2	
	F 10/16	Journal Club	





## Course Information

- Immunology, BIOL 465 (3); CRN 34617

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knowledge of the immune response and involvement of immunity in health and disease. The

immune system is a highly complex and interactive system evolved to provide self-defense against pathogens. Immunology is the study of the biological basis and mechanisms that

govern host defense against infection. The course is designed as the first encounter with immunology for students that have taken introductory biology course. It will cover the fundamental facts and principles of immunology.

**Student Learning Outcome 1:** By the time that the student has finished the course, he/she should have an understanding of the components of the immune system, he/she should be able to describe innate mechanisms of immune protection as well as explain how the diversity of immune response is generated. The student should be able to describe antigen recognition and processing for immune presentation, understand the basis for interaction of innate and adaptive immunity, he/she should know how to differentiate the functions of T

- **Goal 2: To acquire an understanding of the basic immunological mechanisms responsible for pathological states.** The immune system plays a crucial role not only in fighting infectious pathogens, but also in other disease states, including cancer, as well as systemic and organ-specific autoimmune conditions, such as lupus, rheumatoid arthritis, scleroderma and diabetes. Allergy, atopy and hypersensitivity are well-known pathological states that afflict a large fraction of the population, and similarly immunodeficient states

## Grading

Grades will be based on the percentage of total points earned out of the total possible points.

based on the scale below. You will notice that the cut-off point for A- is not 90% but 88%. The

comparable is true for the B-, C- and D- cutoffs. The reason for this is that under the plus/minus grade system, a C earns 2.0 in terms of GPA calculation. A C- earns only 1.7 on terms of GPA

Active attendance of lecture is expected. Exams will be primarily based on material covered in

## Journal Club

Journal clubs are educational interventions that can improve reading habits, knowledge of basic and translational research, and help contextualize what is discussed during lectures.

During the course of the program, each of you will be paired with a student from DVM F606 and will assist him/her in leading the discussion of an article proposed by the instructor. This experience fulfills several goals of the study curriculum such that, at its conclusion, each student

**Academic honesty**

Academic dishonesty will not be tolerated. You are expected to be familiar with the UAF Student Code of Conduct (available on line in the UAF Catalog) and to follow it at all times. The use of any reference materials (notes, books, other people, etc.) or assistance of any type on exams is academic dishonesty. Obtaining an extension on work or delaying an exam through false pretenses is also academic dishonesty. Providing someone with the answer to homework

else, or allowing someone else to do your homework is academic dishonesty. Although you may work with a partner or partners depending on the nature of the project, your contribution to a collective assignment must be your individual work, clearly indicated and acknowledged by you.

help right away! I am happy to

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