

*Note: this syllabus is not a contract. It is subject to further change or revision, to best realize the educational goals of the course. Revisions will be announced in class or in course materials online with appropriate prior notice.*

**Disease and Human Evolution**  
**ASM 345**  
**Fall, 2013**

**Course Meetings:** Monday and Wednesday 3:00-4:15 (3 hours) in Neeb 105.

**Instructor: Dr. Anne Stone**

Office: LSE 417

Contact Info: [acstone@asu.edu](mailto:acstone@asu.edu)

Office Hours: Tuesday 1:00-4:00 (in person)

**Teaching Assistant: Maria Nieves Colon**

Office: LSC 556

Contact Info: [mnievesc@asu.edu](mailto:mnievesc@asu.edu)

Office Hours: Wednesday 10:00 – 11:30 and  
Thursday 1:00-2:30 (online and in person)

**Teaching Assistant: Chalachew Seyoum**

Office: SS 219

Contact Info: [cseyoum@asu.edu](mailto:cseyoum@asu.edu)

Office Hours: Monday 9:30 – 11:00 (in person),  
Monday 11:00-12:30, (online),

**Course Description and learning outcomes:**

This course examines the role played by disease in human existence, from the beginnings of humanity to the present. Students will define what a disease is, learn the difference between infectious and non-infectious diseases, and see how populations and disease organisms have evolved in tandem. Students will also learn basic concepts in evolution, immunity, epidemiology, and demography. Infectious diseases will include those carried by animal parasites (malaria, schistosomiasis), bacteria (such as bubonic plague, leprosy, tuberculosis, syphilis, lyme disease, typhus), viruses (smallpox, influenza, AIDS), prions, and fungi (coccidioidomycosis). This course will also include a discussion of the epidemiological transition.

**Pre-requisites:** ASM 104 or BIO 100, or BIO 181 (or BIO 188), or BIO 182 (or BIO 187) with a D or better.

**Required Course Texts/ Readings:** Diseases and Human Evolution by Barnes and weekly readings posted on Blackboard.

**Course Format:** Lecture

**Coursework**

The final grade for the course will be based on three exams and four homework assignments. Each exam is worth 18% of your total grade, and each homework is worth 11.5% of your total grade.

- 3 Exams (3 x 18%) = 54%
- 4 homework assignments (4 x 11.5%) = 46%  
100%

**Extra credit will not be offered in this course.**

For your own protection, you should keep a copy of everything you hand in, and you should keep your graded assignments at least until grades are finalized at the end of the semester, and in the event you wish to contest any grades.

**Final Grades** Grades will be scaled in the following manner:

A-/ A/ A+	89.5-92.4/ 92.5-97.4/ 97.5-100	Excellent
B- /B/ B+	79.5-82.4/ 82.5-87.4/ 87.5-89.4	Good
C/ C+	69.5-77.4/ 77.5-79.4	Average
D	59.5-69.4	Passing
E	<60	Failure
XE		Failure due to Academic Dishonesty

**Incompletes**

A mark of "I" (incomplete) is given by the instructor when you have completed most of the course and are otherwise doing acceptable work but are unable to complete the course because of illness or other conditions beyond your control. You are required to arrange with the instructor for the completion of the course requirements. The arrangement must be recorded on the [Request for Grade of Incomplete form](http://students.asu.edu/forms/incomplete-grade-request) (<http://students.asu.edu/forms/incomplete-grade-request>).

**Late Assignments.**

Unexcused late assignments will not be accepted. Excuses for an assignment must be made and approved in advance of the due date of the assignment. Requests for excuses must be written, either on paper or email, and approval must be obtained, either by an email reply or by having the paper excuse signed. In order to get credit, with the late assignment you must turn in a copy of the email approval or signed written excuse.

**Grade Appeals**

ASU has formal and informal channels to appeal a grade. If you wish to appeal any grading decisions, please see <http://catalog.asu.edu/appeal>.

**Course Policies**

Please do not use cell phones during class. All cell phones and electronic devices must be turned off and out of sight during exams. If a student is spotted with a cell phone out during an exam, the student will receive an immediate grade of zero for the exam, and potentially further disciplinary action.

**Student Standards**

Students are required to read and act in accordance with university and Arizona Board of Regents policies, including:

The ABOR Code of Conduct: Arizona Board of Regents Policies 5-301 through 5-308:  
<https://students.asu.edu/srr>

**Academic Integrity**

All students are responsible for reviewing and following ASU's policies on academic integrity: <http://provost.asu.edu/academicintegrity>. If you fail to meet the standards of academic integrity in any of the criteria listed on the university policy website, sanctions will be imposed by the instructor, school, and/or dean. Academic dishonesty includes borrowing ideas without proper citation, copying others' work (including information posted on the internet), and failing to turn in your own work for group projects. Please be aware that if you follow an argument closely, even if it is not directly quoted, you must provide a citation to the publication, including the author, date and page number. If you directly quote a source, you must use quotation marks and provide the same sort of citation for each quoted sentence or phrase. You may work with other students on assignments, however, all writing that you turn in must be done independently. If you have any doubt about whether the form of cooperation you contemplate is acceptable, ask the TA or the instructor in advance of turning in an assignment. Please be aware that the work of all students submitted electronically can be scanned using SafeAssignment, which compares

them against everything posted on the internet, online article/paper databases, newspapers and magazines, and papers submitted by other students.

### **Student Support and Disability Accommodations**

ASU offers support services through Counseling (<http://students.asu.edu/counseling>), the Learning Resources Center ([www.asu.edu/lrc](http://www.asu.edu/lrc)), and the Disability Resource Center (<http://www.asu.edu/studentaffairs/ed/drc/>). If you are a student in need of special arrangements for we will do all we can to help, based on the recommendations of these services. For the sake of equity for all students, we cannot make any accommodations without formal guidance from these services.

### **Email Communications**

All email communication for this class will be done through your ASU email account. You should be in the habit of checking your ASU email regularly as you will not only receive important information about your class(es), but other important university updates and information. You are solely responsible for reading and responding if necessary to any information communicated via email. For help with your email go to: [http://help.asu.edu/sims/selfhelp/SelfHelpHome.seam?dept\\_pk=822](http://help.asu.edu/sims/selfhelp/SelfHelpHome.seam?dept_pk=822) and file a help desk ticket by clicking on "My Help Center."

### **Campus Resources**

As an ASU student you have access to many resources on campus. This includes tutoring, academic success coaching, counseling services, financial aid, disability resources, career and internship help and many opportunities to get involved in student clubs and organizations.

- Tutoring: <http://studentsuccess.asu.edu/frontpage>
- Counseling Services: <http://students.asu.edu/counseling>
- Financial Aid: <http://students.asu.edu/financialaid>
- Disability Resource Center: <http://www.asu.edu/studentaffairs/ed/drc/>
- Major/Career Exploration: <http://uc.asu.edu/majorexploration/assessment>
- Career Services: <http://students.asu.edu/career>
- Student Organizations: <http://www.asu.edu/studentaffairs/mu/clubs/>

For more information about the School of Human Evolution and Social Change, including our degree programs, research opportunities and advising information, please go to: <http://shesc.asu.edu/undergraduate/undergraduate-studies>.. Our advisors are always willing to discuss career and guidance options with you.

### **Schedule of Readings and Assignments**

Week by week outlines of lectures, readings and assignments will be posted on Blackboard.