**Citizen Science 2014**

**Course Syllabus**

**Group 25**

**Faculty Info:** Dr. Stephanie Strickler; sstrickl@bard.edu

**Course Goals:** This class is designed to foster an understanding of what science is and how it works. We will explore the methodology and critical thinking that scientists use to evaluate claims about the natural world in each of 3 modules: problem-based learning, laboratory, and computing. Topics will include the nature of science and the scientific method, antibiotic resistance, lab techniques, and vaccination.

**Course Materials:** Bring your Citizen Science binder to class; we will use those readings and add to them through the class. You may bring a laptop to take notes if you wish, but you are also expected to bring paper and pens/pencils for quizzes and other class activities. Readings will usually be provided to you as hard copies and/or electronic files but you will be asked to print some materials, such as writing assignments or lab reports.

**Moodle and Email:** Course materials will be posted at moodle.bard.edu, which you are expected to check daily. Similarly, I will contact you at your Bard email address, so make sure to check it daily. Email is the best way to contact me, but please be aware that I may not respond promptly to emails sent between 9PM and 8AM. I’m happy to meet with students outside of class; send me an email or talk to me after class to schedule a meeting.

**To enroll in Citizen Science on Moodle, use this case-sensitive enrollment key: feverW14**

**Grading and Attendance:** **I expect you to attend and prepare for all class periods; you must also complete all homework assignments. I also expect you to be on time for all class activities and will record one absence for every 3 times you are late.** Absences will be reported to the Citizen Science director. For your participation in Citizen Science, you will receive a grade of Satisfactory or Unsatisfactory, coded as S or U on your transcript. Final grades are based on class attendance, satisfactory completion of assignments, and participation in class activities.

If you miss class and wish to make up work from that class period, you must obtain a note from your doctor. The note must address the specific matter of whether you were medically restricted from attending class on that day (i.e., scheduling a physical exam or dental check-up during a class session is not acceptable). Furthermore, **you are expected to contact the instructor via email in advance of your absence** or, if that is impossible, contact the Citizen Science office (845-752-2369) *before the beginning of class* and leave a message.

**Further Notes on Grading:** Please retain all assignments and quizzes from this class. You may find it useful to keep track of your work in some organized manner and to double-check that I’ve give you the credit you’ve earned.

**Classroom Expectations:** Cell phones and laptops should not be used during class, unless for classroom-related activities such as note-taking. Please turn your phones to silent during class hours. The classroom should be a safe place for sharing and discussion. Please respect your peers by not repeating personal or sensitive information that comes up during class.

**General Laboratory Preparedness:** I’ll give you more information about lab before we begin that rotation, but here are several important guidelines.

* NO open toed shoes, sandals or flip-flops; NO bare feet
* NO eating or drinking in the lab at all. This includes coffee, granola bars, etc.
* NO loose clothing
* Long hair should be tied back
* If you wear contacts lenses, you might plan on wearing your glasses instead
* Book bags, coats, etc. must be left in the hallway
* Always wash your hands before leaving the lab

**Academic Dishonesty and Plagiarism:** It is unacceptable to claim another person’s work, including ideas, writing, or words, as your own. Bard takes this offense seriously and this course will conform to all Bard standards. If you are in doubt about how to cite others’ ideas, ask! It is your responsibility to be familiar with the policies explained at: http://inside.bard.edu/doso/handbook/index.php?aid=1201&sid=705

**Any students with a disability that may influence their ability to participate in the course should contact me as soon as possible so that we can make arrangements to accommodate these needs.**

**Tentative Schedule:** Generally, we’ll meet daily from 10:00 AM–12:00 PM and 1:30–3:30 PM (for Computing and PBL). During the lab rotation, we’ll meet in a classroom from 10:00–11:30 AM and in the lab from 1:00–4:00 PM. Check this schedule for exceptions and room numbers, as these will change several times during the course. **All activities listed below are required, unless I specifically state otherwise.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Date** | **Time** | **Room** | **Module\*** | **Notes** |
| Sunday PM | 1/5 | TBA | Sosnoff LL Lobby |  |  |
| Monday AM | 1/6 | 10:00AM–12:00PM | Olin 202 | Computing |  |
| Monday PM | 1/6 | 1:30–3:30 PM | Olin 202 | Computing |  |
| Tuesday AM | 1/7 | 10:00AM–12:00PM | Olin 202 | Computing |  |
| Tuesday PM | 1/7 | 1:30–3:30 PM | Olin lecture hall | Faculty lecture series |  |
| Wednesday AM | 1/8 | 10:00AM–12:00PM | Olin 202 | Computing |  |
| Wednesday PM | 1/8 | 1:30–3:30 PM | Olin 202 | Computing |  |
| Thursday AM | 1/9 | 10:00AM–12:00PM | Olin 202 | Computing |  |
| Thursday PM | 1/9 | 1:30–3:30 PM | Olin 202 | Computing |  |
|  |  |  |  |  |  |
| Friday AM | 1/10 | 10:00AM–12:00PM |  | PBL |  |
| Friday PM | 1/10 | TBA | TBA | CE training |  |
| Saturday | 1/11 | No class |  |  |  |
| Sunday | 1/12 | No class |  |  |  |
| Monday AM | 1/13 | TBA | Olin 203or TBA | CE or PBL |  |
| Monday PM | 1/13 | TBA | Olin 203or TBA | CE or PBL |  |
| Tuesday AM | 1/14 | 10:00AM–12:00PM | Olin 203 | PBL |  |
| Tuesday PM | 1/14 | 1:30–3:30 PM | Olin 203 | PBL |  |
| Wednesday AM | 1/15 | 10:00AM–12:00PM | Olin 203 | PBL |  |
| Wednesday PM | 1/15 | 1:30–3:30 PM | Olin 203 | PBL |  |
| Thursday AM | 1/16 | 10:00–11:30AM | RKC 100 | PBL |  |
| Thursday PM | 1/16 | 1:00–4:00PM | RKC 111 | Lab |  |
| Friday AM | 1/17 | 10:00–11:30AM | RKC 100 | PBL |  |
| Friday PM | 1/17 | 1:00–4:00PM | RKC 111 | Lab |  |
| Saturday | 1/18 | No class |  |  |  |
| Sunday | 1/19 | No class |  |  |  |
| Monday AM | 1/20 | No class- AM only |  |  |  |
| Monday PM | 1/20 | 1:30–4:00PM | Olin lecture hall | Faculty lecture series |  |
| Tuesday AM | 1/21 | 10:00–11:30AM | RKC 100 | PBL |  |
| Tuesday PM | 1/21 | 1:00–4:00PM | RKC 111 | Lab |  |
| Wednesday AM | 1/22 | 10:00–11:30AM | RKC 100 | PBL |  |
| Wednesday PM | 1/22 | 1:00–4:00PM | RKC 111 | Lab |  |

\*The three modules are Problem-Based Learning (PBL), Lab, and Computing. Other required activities include Civic Engagement (CE), Faculty Lecture Series, and Invited Speakers.