Course Description:
This laboratory is designed to reinforce course materials. Students begin the semester with a study of populations, ecology and ecosystems. We will study the interactions between organisms and their environment, and each other. We will look at the organismal relationships, such as trophic structure and the importance of predation in ecosystems.

The second part of the semester will involve the study of the atmosphere and air pollution. We will study the atmosphere, its composition and dynamics of weather systems. The focus will be on the effect of climate and weather on pollution. This will include the study of precipitation and the formation of acid rain, acid snow and dry acid deposition. Students will learn about chemical tests for air and water pollution and will conduct some of these analyses.

Learning Goals:
1. The individual and role of competition in population dynamics.
2. Community structure and mosaic concept in communities.
3. Ecosystem structure and function on micro- and macro- and global-scales.
4. Food chains and food webs in ecosystem development.
5. The structure and composition of the atmosphere.
6. The water cycle and role of air pollution.
7. The role of weather and weather systems in the severity of air pollution.
8. Conducting an inventory for sources of air pollution.
9. Sampling and sample analyses for air and water pollution.

Required Readings/Materials:

Calendar – Assignments and Due Dates:
1. Test #1, September 26
2. Test #2, October 31
3. Lab Final, November 28
4. Quizzes throughout the semester

Computation of Grades:

<table>
<thead>
<tr>
<th>Test</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Test #1</td>
<td>25%</td>
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<tr>
<td>Test #2</td>
<td>25%</td>
</tr>
<tr>
<td>Lab Final</td>
<td>25%</td>
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<tr>
<td>Weekly Quizzes</td>
<td>25%</td>
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</tbody>
</table>

Grading Scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>93 – 100</td>
</tr>
<tr>
<td>B+</td>
<td>87 – 89</td>
</tr>
<tr>
<td>B</td>
<td>80 – 82</td>
</tr>
<tr>
<td>C</td>
<td>73 – 76</td>
</tr>
<tr>
<td>D+</td>
<td>67 – 69</td>
</tr>
<tr>
<td>A-</td>
<td>90 – 93</td>
</tr>
<tr>
<td>C+</td>
<td>70 – 72</td>
</tr>
<tr>
<td>B-</td>
<td>60 – 66</td>
</tr>
<tr>
<td>F</td>
<td>59 and Below</td>
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</table>
Expectations of Students:

Academic Dishonesty:

Every offense against academic honesty seriously undermines the teaching-learning process for which the University exists, and such offenses will be dealt with expeditiously according to the following criteria.

Definition
Academic dishonesty includes but is not limited to:
1. Cheating on an examination or test; for example, by copying from another’s work or using unauthorized materials before or during the test, including the use of electronic devices;
2. Plagiarism, which represents as one’s own the work of another, whether published or not, without acknowledging the precise source;
3. Participation in the academic dishonesty of another student, even though one’s own work is not directly affected;
4. Any conduct which would be recognized as dishonest in an academic setting.

Procedures for Cases of Academic Dishonesty
Faculty and/or exam administrators who consider that they have a valid case of academic dishonesty against a student must ...
   a. Inform the student of the charge and penalty in writing, using the Report of Academic Dishonesty Form, available from the Registrar. The faculty member will inform the student after the cheating has been discovered and investigated, no later than the date when course grades are due for the semester or academic session. If necessary, the faculty member will send the student a copy of the report by certified mail. The student has the right to appeal the facts of the charge.
   b. Determine the penalty for the dishonesty. The penalty is at the discretion of the faculty member, not the exam administrator, and can include either a mark of zero for the work in question or the grade of “F” for the course. The faculty member is encouraged to discuss this incident with the student and offer recommendations, as appropriate.

Turning in Assignments and the Final Examination: Students must submit all major assignments in order to take the final examination. Failure to complete the course (by not turning in assignments(s)) will result in failure of the course.

Tests: The lab quizzes and tests will be of the multiple choice, true/false, matching and short-answer/essay questions. The lab tests will have practical portions. If you miss any of the quizzes you have one week to make them up. Any quiz not made up will result in a zero.

The University abides by the Americans with Disabilities Act of 1990 (ADA) and the ADA Amendments Act of 2008 (ADAA), Section 504 of the Rehabilitation Act of 1973 and other legal mandates. To receive accommodations students must provide information to validate that a disability exists. Each student’s situation is individually assessed and reviewed.

Students that need special arrangements for testing, note taking, or other related matters must ask to have the instructor notified. In the absence of notice, no special arrangements may be made. You must inform me sufficiently in advance for each test/assignment when you require alternative arrangements or none will be allowed.

Campus Emergency Information: www.stthom.edu/Ready

Participation: In the laboratory, class participation is an important part of the learning process. Variations in points of view are encouraged and will be treated with respect. Students will work in groups on certain assignments and are expected to be part of their groups. Any student not working within the group setting will receive a grade of zero for the day’s assignment.
Academic Dishonesty:

For Tests:

Cheating on tests includes taking/giving answers (both actively and passively) to test questions during the test, giving answers after the test to someone who has yet to take the test, and/or bringing in cheating materials (crib notes, preprogrammed calculators, cheat sheets) to the test. You need to understand that cheating on tests/assignments may result in either a grade of zero for this test/assignment or a grade of “F” for the course. Additionally, you need to understanding that cheating will be reported on the academic misconduct form to the appropriate University authority.

For Assignments:

Academic dishonesty, in reference to assignments, includes copying someone else’s information and presenting it as your own (plagiarism), turning in materials photocopied directly from someone else and turning it in as your own work, allowing another student to turn in a copy of your work with your knowledge, and/or cooperative work on an assignment where you are to work alone. You need to understand that cheating on tests/assignments may result in either a grade of zero for this test/assignment or a grade of “F” for the course. Additionally, you need to understanding that cheating will be reported on the academic misconduct form to the appropriate University authority.

For Lab Tests:

While taking the lab test, you may be presented with opportunities to engage in academic dishonesty because of the arrangement of laboratory stations. I would remind you that you are to resist the temptation to “borrow” information from another student during this examination. During any portion of the lab test where you are required to move between sample stations, unless it is expressly stated that you are to work in groups, there will be no more than one person per sample location. Giving or receiving help, by exposing your test paper so that another student can read your answers or by looking onto another student’s test, is academic dishonesty.

General:

As proctors for any test, we can only judge behavior, not intention. Because we can’t read your minds, we must observe your behavior during the test. If you look at another person’s paper, or talk to them during the test, that will be regarded as an incident of academic dishonesty and you will be called out based on this behavior. You need to understand that cheating on tests/assignments may result in either a grade of zero for this test/assignment or a grade of “F” for the course. Additionally, you need to understanding that cheating will be reported on the academic misconduct form to the appropriate University authority.