



# IB ENVIRONMENTAL SYSTEMS & SOCIETY



**Course Instructor:** Mrs. Kristin Page

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**Available Hours for Help:** Blocks C, D, G or before or after school (by appointment)

## Learning Overview

The IB Environmental Science & Society (ESS) syllabus is an interdisciplinary course combining natural sciences with a societal perspective. The disciplines are intertwined to help the student better understand the environment and its sustainability. Through experimentation, class discussions, and class activities students will develop a working understanding of the following major topics: systems & models, ecosystems, human populations, carrying capacity & resource use, conservation & biodiversity, pollution management, global warming, and environmental value systems. The course explores the intricate interrelationship between the environment and society, so that students can make an informed personal response to a wide range of global issues.

Completion of IB ESS Standard Level will satisfy the group 4 (experimental science) component as well as the group 3, individuals and societies) component for the IB Diploma. As much core material, as time will permit will be covered during the first year. The remaining core material will be taught throughout the second year. A total of 120 hours will be devoted to covering the core material and a minimum of 30 hours is required for the laboratory component. In addition, all students are required to participate in a Group 4 project.

It is expected that all students in this course will remain committed for two years and take the IB exam in May of the second year.

## Student Responsibilities

- Have Academic Honor & Meeting Deadlines
- Respect for self and others; respect for the learning environment and school rules
- Arriving on time with the required materials and prepared to learn
- Hard work, curiosity, enthusiasm, and collaboration
- Courage to come forward when having difficulty and not understanding the material

## Learning Materials

- Environmental Systems and Societies IB Diploma (PEARSON; Davis & Nagle)
- Scientific Calculator
- Notebook containing lined notebook paper and graph paper
- Blue & Black Ballpoint Pens & Pencils
- Index Cards (5x7)

## Assessments

Formative assessments measure a student's progress throughout a period of instruction (i.e. rough drafts/initial attempts, homework, dress rehearsals, etc.). Formative assessments receive feedback designed to help students improve (i.e. comments, peer editing, etc.).

Summative assessments measure a student's achievement at the end of a period of instruction (i.e. quizzes, tests, exams, final drafts/attempts, lab reports, projects, and performances, etc.). Summative assessments count for a student's final grade in the course.

For IB courses, students receive a grade from their teacher on their school transcript, however the final IB grade is determined through the IBO organization. The IB grade is determined using the following components as described in the IB ESS Guide.

Assessment Component For Exams <b>May 2016</b>	Weighting
<b>External Assessments (EA) written tests at the end of year 2</b>	<b>80%</b>
<b>Paper 1 - 1 hour</b> (short answer & data based questions) 45 marks	30%
<b>Paper 2 - 2 hours</b> (two sections; A: students provided with a range of data related to a specific case study and then are required to make reasoned and balanced judgments by analyzing the data. B: Students required to answer 2 structured essay questions from a choice of 4.) 65 marks	50%
<b>Internal Assessment (IA) - 30 hours of lab work recorded on PSOW (Practical Scheme of work) and full design lab(s) submitted to IB for moderation (selected students only)</b> 42 marks	<b>20%</b>

Assessment Component For Exams <b>May 2017</b>	Weighting
<b>External Assessments (EA) written tests at the end of year 2</b>	<b>75%</b>
<b>Paper 1 - 1 hour</b> (case study)	25%
<b>Paper 2 - 2 hours</b> (two sections; A: short answer B: structured essay questions)	50%
<b>Internal Assessment (IA) – Independent Investigation</b> 10 hours	<b>25%</b>

### Retake Policy

The purpose of the retake policy is for students to have another opportunity show their understanding of content. Therefore the following policies will be upheld in Chemistry:

- **Quizzes** – Unit tests will give students the opportunity to show further understanding of content that was on all unit quizzes.
- **Tests** – Retakes dates will be held within one week of receiving feedback. These dates will be given in advance. To be eligible for a retake students can have no missing work, students must email Mrs. Page with the retake form completed at least 2 days before the scheduled retake, and students must submit **all** required extra practice work before the retake.
- **Lab Reports** – Labs are a performance based activity, therefore labs cannot be redone for credit. It is not feasible to recreate a lab situation after it has already been completed

### Late Assessments

Students are expected to submit assignments before the designated deadlines. Meeting deadlines requires responsibility and students should manage their time and prioritize so deadlines are successfully met. To support students' efforts in meeting this expectation, teachers shall (a) announce deadlines in advance (b) provide sufficient time as determined by their professional judgment (c) post assignments and their deadlines on the assignment calendar.

- If formative assessments are not submitted by the due date given, students cannot expect feedback.
- If summative assessments are not submitted by the due date given, students are required to email their parents and carbon copy teacher. Work is expected to be submitted by the following class period. If work is not submitted at this time students will be expected to stay after school to complete the missing assignment.

- See HS Student handbook for late work policy

### **Academic honesty policy**

I value integrity and therefore expect students to be honest at all times. Students should always complete their own work and appropriately cite sources when using other people work. During tests and quizzes all electronic devices must be turned off and turned in to the teacher. Although students may work collaboratively during some class activities and labs, it is expected that all assessments be completed individually and to the best of your ability. Please see the Academic Honesty Policy in the Student Handbook for more details.

### **Classroom Expectations**

It is your responsibility to read the school handbook and follow all school rules while you are at school and in class. There are, however, a few key items to remember:

- Be **respectful** of the teacher and your fellow students.
- Attendance and completion of your work is key to your success.
- Be on time and come to class prepared to learn.
- If you are present at school, you are expected to be in class.
- Turn in your work on time.
- Cheating and plagiarism are undignified and disrespectful. Only your own work will be accepted. The Academic Honesty policy will be enforced for all infractions.
- Use common sense in all matters, if you think that your behavior is inappropriate, then it probably is!

### **Safety in the Classroom**

Please refer to the Safety Contract online, once you have read and understood the information; please upload it on the corresponding assignment folder.