BIOL 4000 Topics in Biology I: Climate Change Biology SECTION A

Junemester 2013 DEPT. OF BIOLOGY:

COLLEGE OF ARTS & SCIENCES;

VALDOSTA STATE UNIV. CREDIT HOURS: 3

INSTRUCTOR: Dr. Matthew Waters

OFFICE: BSC 1106 OFFICE HOURS –

PHONE – 333-5760 (229-328-6007) EMAIL: mwaters@valdosta.edu

LECTURE HOURS: MTWRF 2-4:50 PM, Bailey 1024

REQUIRED TEXT: Climate Change Biology by Lee Hannah, Academic Press

ISBN: 0123741820

COURSE DESCRIPTION: An overview of climate change, how biological

Valdosta State University (VSU) Department of Biology educational outcomes for this course include: numbers 1, 2, 3 (in part), and 5. University (VSU) educational outcomes for this course include: numbers 3, 4, 5, 7, and 8.

COURSE POLICIES

You are expected to attend all lectures. If a lecture is missed, you are responsible for obtaining any notes and handouts given that day. Reading of the appropriate lecture chapters and any lab materials should be completed **prior** to coming to class.

Assigned text material may be on the lecture exams; I will inform you during lecture as to the specific topics, tables, figures, and/or text pages for which you will be responsible.

Midterm: June 14 is the last day to drop the class with a passing grade (WP) regardless of your point total. You cannot drop the class after midterm unless there are extenuating circumstances that must be acceptable to the Professor, Biology Department Head, Dean of Arts and Sciences, and the Vice President for Academic Affairs.

TENTATIVE LECTURE SCHEDULE:

| TOPIC | Text Chapters |
|---|---------------|
| Climate Primer | |
| Green house planet | 1 |
| Black body radiation, green house gases | |
| Chemistry of Climate Change | 1 |
| Isotopes, green house gas production, | |
| Ozone, atmospheric layering | |

Excessive cell phone usage or computer usage not used for the class will be considered a lack of participation in the class. In addiction, failure to attend class without a valid excuse is also considered poor participation. Anyone accessing these electronic devices DURING AN EXAM will be given a zero for that exam grade. The student may be subject to further discipline, up to and including, permanent dismissal and failure of the class.

Cheating: Cheating is not permitted. Any student caught cheating on a lecture or lab exam will receive a failing grade (F) for the course, and will be reported to the Dean of Student Affairs. Cheating includes, but is not limited to: possessing