Spring 2017

INSTRUCTOR	Maggie Rahmoeller <i>Office:</i> Trexler Hall 270J	Email: rahmoeller@roanoke.edu
OFFICE HOURS	M/W 10-11:30AM, Thurs 1-3PM	
CLASS MEETINGS	Mondays, Wednesdays, Fridays: 12-	-1PM in Olin 230
COURSE INFORMATION	changing every second. Some resear reach 8 billion people by the year 20 they accurate and do they consider e more importantly, does the human p by availability of resources and phys world economically, culturally, and For instance, National Geographic c by the year 2050 to feed the world p discuss the ethical dilemmas that ari	pproximately 7.4 billion people, and it's rehers estimate that the world population will 025. How are these estimates calculated? Are environmental factors that affect viability? Even opulation have a carrying capacity, influenced sical space? The population growth affects our socially in addition to changing the ecosystem. laims we'll need to double agricultural crops opulation. In this class we will focus on and se in controlling the population size, the th rate changes, and what our role should be in

INTENDED LEARNING By the end of this course, successful students will be able to: OUTCOMES

- Apply their research findings to a formal project addressing the course topic question and successfully present this proposal in an oral defense.
- Write well-organized and clearly reasoned papers both individually and with a group. Papers will have clear theses, effective organization, and a minimum of sentence-level errors.
- Contribute to meaningful, effective discussion and collaborative work that includes expressing, listening to, and debating ideas.
- Be able to apply critical thinking and quantitative reasoning skills in a meaningful way.
- Make explicit, meaningful connections between past course work (both in the core curriculum and in their majors) and contemporary issues.
- Demonstrate understanding of a contemporary issue or problem, an awareness of the types of inquiry needed to understand it, and the resources required for addressing it.

REQUIRED MATERIALS *The Coming Population Crash and Our Planet's Surprising Future*, by Fred Pearce *A Writer's Reference*, 7th edition, Hacker

COURSE STRUCTURE The semester will be divided into two parts. During the first part, we will meet as a class and work through an example project together. For the second part, you will be split into your final groups and work outside of class on your project and

presentation. We will schedule individual group meetings to give me a chance to discuss the progress of your project with you. Occasionally, we will meet as a class.

COURSE GRADES	The following table is a breakdown of the grades for the semester:								
	Class Participation				10%				
	Group Article Presentations			s	5%				
	Individual Paper			5	10%				
	Group Debate				5%				
	Group Assessment				10%				
	Self-Evaluation Paper				5%				
	Self-Evaluation Log				10%				
	Final Paper				25%				
	Final Presentation					20%			
	-	scale will be an the scale g			fter fi	nal grade	s are co	omputed	l, but will be no
	B+	87-89	C+	77-79	D+	67-69			
	А	93-100	В	83-86	С	73-76	D	63-66	F 0-59
	A-	90-92	B-	80-82	C-	70-72	D-	60-62	
CLASS PARTICIPATION	project. discussi class tin	During the first part of the semester, we will be working in class on our example project. You need to come to class prepared and willing to contribute to class discussions and progress. You can participate by: working in small groups during class time, presenting your group's ideas to the class, partaking in class discussions, and finding relevant sources and information for the project.							
GROUP ARTICLE PRESENTATIONS	your gro		t an a	rticle an	d pres	-			the given model, d your stance.
Individual Paper	model I	ll learn about provided, and t from your g	l wri	te a 5-pa	ge pap				ckground to the given model
GROUP DEBATE	controll	oup will decioning population will have an	n size	e (e.g. ree	quirin	g each fa	mily to		method of most 2 children).

GROUP ASSESSMENT Your group will write a persuasive essay (4-5 pages) reflecting on your s	stance in
the debate and incorporating the rebuttal you received from the group with the opposite	e view.

- SELF-REFLECTIONThis is a short paper (about 2 pages) where you will reflect on the roles you played
during the two group assignments and in-class groups. You will describe what your
strengths and challenges as a group member are. We will share these self-
reflections to help us choose our groups for the final project.
- SELF-REFLECTIONDuring the second part of the course, you will write periodic self-evaluations of
yourself and your group. These will help us work through any problems that may
arise.
- FINAL PAPEREach group will be assigned one of the brainstormed topics that are affected by
the size of the human population. As a group, you will address the issue, propose
a solution to that issue, and defend your proposal. This paper (approximately 20
pages) will use your research and writing skills learned in the INQ curriculum,
which includes the skills you used in the projects done in the first part of this
course. These papers will be archived by the General Education Office.
- FINAL PRESENTATION As a group, you will present your topic and proposed solution in an oral defense. Each group will give a practice defense in front of another group, and will also be responsible for giving feedback to the group whose practice defense they attend. Presentations will last about 20 minutes, with extra time for questions and discussion.
- ATTENDANCE POLICY Class attendance is expected. If you have to miss a class, you are responsible for learning all material covered that day and making arrangements in advance with your group. If you have not discussed your absence with me beforehand, you will be unable to make up any work missed and it will adversely affect your class participation grade.
- EXPECTED WORKThis course expects you to spend at least 12 hours of work each weekPOLICYinside and outside of class.
- EXTRA RESOURCES To get extra help with writing and presentations, visit the writing center in Fintel Library, Sunday-Thursday 4-9PM.
- DISABILITY SUPPORT The Office of Disability Support Services, located in the Goode-Pasfield Center for SERVICES Learning and Teaching in Fintel Library, provides reasonable accommodations to students with identified disabilities. Reasonable accommodations are provided based on the diagnosed disability and the recommendations of the professional evaluator. Please contact JoAnn Stephens-Forrest, MSW, Coordinator of Disability Support Services, at 540-375-2247 or e-mail her (stephens@roanoke.edu) to schedule an appointment. If you have registered with DSS in the past, and would like to receive academic accommodations for this semester, please contact Ms. Stephens-Forrest at your earliest convenience, to schedule an appointment. Also,

please note that arrangements for extended time on exams, testing, and quizzes in a distraction-reduced environment must be made at least 48 hours before every exam.

ACADEMIC INTEGRITY I expect all students to follow the Academic Policies of Roanoke College. All wor
submitted for a grade is to be your own work! If you ever have questions about
how these policies apply to our class, please contact me! Use your copy of A
Writer's Reference, by Hacker to help with correctly citing your sources. Any
violations of these policies will automatically be turned over to the Academic
Integrity Council.

COURSE SCHEDULE

The following schedule is tentative. Any necessary changes will be discussed in class.

	Part I
Mon Wed	Jan 16 Introduction to Course (Pearce – Part I: Malthusian Nightmares) Jan 18 Introduction to Population Model; (Pearce – Part II: Rise of the Population Controllers)
Fri	<i>Find articles</i> Jan 20 Group Work Discussion, Form 1 st groups; (Pearce – Part III: Implosion)
Mon	Jan 23 Work on Presentations
Wed	Jan 25 Group Article Presentations, (Pearce – Part IV: The Reproductive Revolution)
Fri	Jan 27 Presentations/Groups discussion; (Pearce – Part V: Migrants) Individual paper assigned
Mon	Jan 30 Work on Individual Paper; (Pearce – Part VI: Reaching the Limits)
Wed	Feb 1 Work on Individual Paper (supplemental Readings)
Fri	Feb 3 Form Debate Groups, Discussion
	Individual Paper Due
	Find sources for debate
Mon	Feb 6 Work on Debate
Wed	Feb 8 Debate Day! (Pearce – Part VII: Older, Wiser, Greener) <i>Self-reflection</i> paper assigned
Fri	Feb 10 Discussion on Debate, group assessment
Mon	Feb 13 Discussion on group assessment, Brainstorm topics for Final Project
	Group Assessment Due
Wed	Feb 15 Share self-reflection, Survey for deciding final groups
	Self-reflection paper due
Fri	Feb 17 Form final groups, start discussing projects
	Start evaluation forms (log)

Mon Feb 20 Group Conferences with Instructor – finalize topics Meet with Piper – find sources

Fri Feb 24 Annotated Bibliography Due

Mon Feb 27 Group Conferences with Instructor – assess sources

Spring Break

- Tue Mar 14 Solution Proposal Due
- Wed Mar 15 Group Conferences with Instructor solution proposal
- Wed Mar 29 1st paper draft due by 5PM
- Fri Mar 31 Group Conferences with Instructor paper drafts
- Fri Apr 7 2nd paper draft due by 5PM
- Mon Apr 10 Group Conferences with Instructor paper drafts
- Mon Apr 17 **Practice Presentations**
- Wed Apr 19 Practice Presentations

Mon Apr 24 Group Conferences with Instructor – presentations

Wed Apr 26 Oral Defenses