

## VT FACULTY LECTURERS IN EARTH SUSTAINABILITY

We feature distinguished faculty from all eight VT colleges and dedicated professionals from the local community who bring diverse perspectives and expertise into the first- and second-year college experience. Participating faculty have included:

Barbara Bekken, *Geosciences*  
Bob Bodnar, *Geosciences*  
Darrell Bosch, *Agriculture & Applied Economics*  
John Browder, *Urban Affairs & Planning*  
Steve Craig, *Large Animal Clinical Sciences*  
Eileen Crist, *Science & Technology in Society*  
Dave Dillard, *Engineering Science and Mechanics*  
Leon Geyer, *Agriculture & Applied Economics*  
Mark Edwards, *Civil and Environmental Engineering*  
Mike Ellerbrock, *Agriculture & Applied Economics*  
Felicia Etzkorn, *Chemistry*  
Rick Fell, *Entomology*  
Anthony Flaccavento, *Entrepreneur*  
George Flick, *Food and Science Technology*  
Carola Haas, *Fisheries & Wildlife Science*  
Tom Hammett, *Wood Science & Forest Products*  
Kathy Hosig, *Human Nutrition, Foods & Exercise*  
Bruce Hull, *Forestry*  
Wendy Jacobson, *Landscape Architecture*  
Bob Jones, *Biological Sciences*  
Tim Long, *Chemistry*  
Joan Marie, *Science & Technology in Society*  
Sean McGinnis, *Green Engineering*  
Jim McKenna, *Crop & Soil Environmental Sciences*  
Anne McNabb, *Biological Sciences*  
Mark McNamee, *Provost of Virginia Tech*  
Steve McMullin, *Fisheries & Wildlife Science*  
Margaret Merrill, *University Libraries*  
Wolfgang Natter, *Political Science*  
Don Orth, *Fisheries & Wildlife Science*  
Annie Pearce, *Building Construction*  
Jim Pease, *Agriculture & Applied Economics*  
Dixie Reaves, *Agriculture & Applied Economics*  
Barbara Reeves, *History, Sci. & Tech. in Society*  
Richard Rich, *Political Science*  
Madeline Schreiber, *Geosciences*  
Bob Schubert, *Architecture*  
John Seiler, *Forestry*  
Kurt Stephenson, *Agriculture & Applied Economics*  
Peter Vikesland, *Civil & Environmental Engineering*  
Gyorgyi Voros, *English*  
Greg Welbaum, *Horticulture*  
Cindy Wood, *Animal & Poultry Sciences*

## ES DIRECTOR and COORDINATOR

Barbara Bekken  
5045 Derring Hall  
Dept. of Geosciences 0420  
[bekken@vt.edu](mailto:bekken@vt.edu)

Joan Marie  
222 Lane Hall  
Dept. of Science & Tech. in Society 0247  
[joanmarie@vt.edu](mailto:joanmarie@vt.edu)

## ES FACULTY FOR 2008-10

Rachael Budowle (PSYC)	<a href="mailto:rbudowle@vt.edu">rbudowle@vt.edu</a>
Susan Hagen (MATH)	<a href="mailto:hagen@vt.edu">hagen@vt.edu</a>
Nathaniel Hitt (FiW)	<a href="mailto:than@vt.edu">than@vt.edu</a>
Cortney Martin (ISE)	<a href="mailto:martinc@vt.edu">martinc@vt.edu</a>
Lisa Poley (UAP)	<a href="mailto:lpoley@vt.edu">lpoley@vt.edu</a>
Richard Rich (PSCI)	<a href="mailto:rich@vt.edu">rich@vt.edu</a>
Gyorgyi Voros (ENGL)	<a href="mailto:gmvoros@vt.edu">gmvoros@vt.edu</a>

For more information, please contact us or visit our website: [www.uccs.ceut.vt.edu](http://www.uccs.ceut.vt.edu)



### Photo Credits (cover):

Earth–NASA (<http://exploration.grc.nasa.gov/education/rocket/earth.html>)  
Oil Refinery–LBL (<http://www.lbl.gov/Education/ELSI/pollution-main.html>)  
Agriculture–USDA ([http://www.usda.gov/da/employ/agri\\_ind.htm](http://www.usda.gov/da/employ/agri_ind.htm))  
Earth Sustainability 2 in SW VA visiting coal reclamation sites

MARCH 2008



Welcome to the  
***Living in the 21<sup>st</sup> Century***  
***Integrative Studies Program***  
Course Series on  
***Earth Sustainability***  
*An option in the*  
*Curriculum for Liberal Education*



*We have only  
one Planet....*

*And our current  
industrial  
processes*



*and agricultural  
methods are not  
sustainable...*



*Sustainability  
encourages us to re-  
think and re-envision  
our path so we can  
invent a more  
sustainable future!*



## VT'S CURRICULUM FOR LIBERAL EDUCATION (CLE)

It's all about choices! The Curriculum for Liberal Education (CLE), required of all VT undergraduates, is designed to empower students with a broad base of knowledge and transferable skills through exposure to multiple disciplines and ways of knowing. The Earth Sustainability course series is one way to fulfill your CLE requirements.

## THE LIVING IN THE 21<sup>ST</sup> CENTURY INTEGRATIVE STUDIES PROGRAM

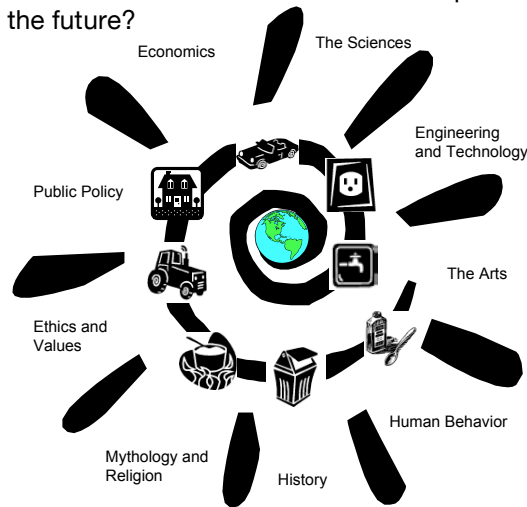
Welcome to an exciting new way to learn! Course series in the *Living in the 21<sup>st</sup> Century Integrative Studies Program* are designed to help you make connections to who you are and what you want to be, to what you know and what you want to learn, and to the world that is and the world you'd like to live in. This program is all about *inventing the future*—your future!

Course series in this program engage participants in real-world, messy issues by challenging them to think critically and act creatively. During a four-semester series, participants are introduced to how humans create and use disciplinary knowledge and then apply it to challenging complex problems. By investigating complex issues, we build interdisciplinary perspectives across many knowledge domains. Each thematic series is designed as a journey toward greater responsibility for learning about and participating in an increasingly complex world. Through this knowledge base, participants develop a robust set of professional, practical, and lifelong learning skills that are critical to personal, interpersonal, and professional satisfaction and success.

The Earth Sustainability theme is the only CLE course series available this coming fall. It piloted with a small group of participants in fall 2004, and a larger group in fall 2006. We are delighted that Earth Sustainability will expand to 180 first year students for fall 2008.

## THE EARTH SUSTAINABILITY (ES) THEME

The [Earth Sustainability](#) (ES) series explores issues surrounding the sustainable use of Earth's energy and material resources. We use these resources to produce food and safe water, all of our energy and transportation needs, protect our health and shelter ourselves and families. How do we make sense of and measure our impact on Earth's systems such that we can create a more sustainable pathway to the future?



## FOUR SEMESTER STRUCTURE

**The four semesters of ES use the designators: UCCS 2984 (4 cr/sem); MATH 2984 (1 cr/sem):**

- ES1: *Worldviews and Water*
- ES2: *Energy and Shelter*
- ES3: *Food and Agriculture*
- ES4: *Waste, Health and Pathways to the Future*

**Special sections of Communications Skills and English meet CLE area 1:**

- COMM 1015/1016: *Communication Skills 1 & 2*
- ENGL 1105/1106: *Composition 1 and 2*

Participants who successfully complete *all* courses in the series receive *university credit* for all areas in the Curriculum for Liberal Education.

## CLE COURSES AND PROGRAM OF STUDY FLEXIBILITY

**PLEASE NOTE** that specific CLE requirements may differ somewhat depending upon your major and/or any academic credit you already have when you arrive at VT. Before applying to ES, it is vital that you consult with your academic advisor to determine how much elective and CLE credit flexibility you will have, and whether ES is an appropriate option for you.

## SCHEDULING THE ES SERIES

**ES classes meet for 4 consecutive semesters:**

- Lectures meet Tuesday/Thursday, 12:30-1:45
- Discussion meets Tuesday/Thursday; select from one of three possible section times
- Labs meets alternate Fridays, 12:20-3:20 and rotate with optional project support sessions

	M	T	W	Th	F
12:30		Lecture		Lecture	Lab/project support
2:00		Disc		Disc	
3:30		Disc		Disc	
5:00		Disc		Disc	

Special sections of Communication Skills 1015/16 and English Composition 1105/06 may be available for ES students depending on enrollment.

## APPLYING TO THE ES SERIES

Check us out at [www.uccs.ceut.vt.edu](http://www.uccs.ceut.vt.edu). If this program sounds interesting to you, consult your advisor to ensure that you can schedule the series for four semesters. If so, please apply to participate using the link on the ES website.

## QUESTIONS? CONTACT US!

