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Course information for *Introduction to Interdisciplinary Science*

This course is part of the program for Sustainable Development. If you have any questions concerning other courses or the program itself, please contact the program coordinators (Sebastian Welling, Patrik Rönnbäck or Karin Gerhardt). CEMUS (Centre for Development and Environment Studies as part of CSD – Uppsala Centre for Sustainable Development) presently gives 3 courses in the program; Introduction to Interdisciplinary Science and the two Seminar Series courses.

Roll call and course introduction

Monday September 1 at 10.15 in Ekman Lecture Hall, EBC, Norbyvägen 14. Map: www.ebc.uu.se/hitta-find. The same morning at 9.00-10.00 study counsellor and former MSD-student Sebastian Welling welcomes you with "fika" (coffee, tea, and more) in CEMUS Lab/Library/Lounge, map can be found here: www.cemus.uu.se.

About the course

The course is given September 1-18 and is worth 5 credits. It's built upon active student participation and a co-creative process of learning and teaching. You can read more about CEMUS educational model at www.cemus.uu.se and Uppsala University's guidelines for students and teachers "Teaching and Learning at Uppsala University". The master programme is hosted by the Department of Earth Sciences at Uppsala University in collaboration with the Swedish University of Agricultural Sciences, SLU. The latest course information can always be found at: <http://cemusstudent.se/iismsd/>

A warm welcome to the MSD Intro course at CEMUS!

Jakob Grandin

Educational Coordinator CEMUS

Daniel Mossberg

*Director of Studies CSD/CEMUS &
Acting Programme Director CEMUS*

Learning Outcomes

On completion of the course, the student should be able to:

- Gather and compile relevant scientific literature in printed and digital form;
- Use scientific literature according to different disciplinary and interdisciplinary traditions and work methods;
- Define and evaluate ethical questions with relevance for sustainable development;
- Analyze scientific concepts and their field of use;
- Scientifically communicate in spoken and written form, within and between different scientific areas.



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Examination

The course consists of lectures and seminars during a three week intensive period. You will be expected to attend the seminars and lectures and participate actively (lectures 75% attendance and academic debates, workshops, dialogues and conference mandatory). It is important for the course content and goals that you actively participate, you are encouraged to ask questions, comments and critically reflect on the content.

The written examination consists of the following parts:

- An interdisciplinary group project (will be introduced on Tue Sep 2nd)
- 2 individual seminar assignments

Instructions for the assignments will be posted at <http://cemusstudent.se/iismsd/>

Literature

There are three books that you will work with during the course:

- Öberg, Gunilla. (2011). *Interdisciplinary Environmental Studies: A Primer*. Chichester: Wiley-Blackwell.
- Graff, Gerald. & Birkenstein, Cathy (2010). *They say / I say: the moves that matter in academic writing*. 2. ed. New York: W.W. Norton & Co.
- Hald, Matilda (ed.) (2011). *Transcending Boundaries: How CEMUS is changing how we teach, meet and learn*. Uppsala: Centrum för miljö- och utvecklingsstudier i Uppsala (CEMUS).

Copies of this book are available in Cemus library – but you cannot take this home with you. In addition to the course books, there are articles and short web-lectures assigned in the self-study section at cemusstudent.se. Go to <http://cemusstudent.se/iismsd/> and follow the link to the self study section.

Semester start-up events at CEMUS

- September 1: CEMUS Annual Autumn Semester Start-Up Lecture: "A Storm Blowing from Paradise" with Dougald Hine, educator, writer, thinker, at 18.15-20.00 in Eva Netzelius (and Gunnar Johansson), Blåsenhus, von Kraemers Allé 1A.
- September 4: Welcome to CEMUS mingle – come and meet fellow students and staff (International and Swedish students) at 15.15-17.00 in CEMUS Library/Lab/Lounge, Geocentrum, Villavägen 16.
- September 11: Project café co-arranged with CEMUS Roots at 16.15-18.00 in CEMUS Library/Lab/Lounge, Geocentrum, Villavägen 16.

Information and contact

Up to date course information is posted to the CEMUS course portal: <http://cemusstudent.se/iismsd/>

If you have any questions that are not answered there, please talk to course coordinators Daniel Mossberg and Jakob Grandin. You can also email Jakob at: jakob.grandin@csduppsala.uu.se

Questions concerning the programme in general should be sent to susdev@geo.uu.se.



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ABOUT CEMUS EDUCATION

The education at CEMUS focuses on a comprehensive understanding of the challenges of sustainable development. This demands innovative teaching methods and an interdisciplinary approach. Since its inception, CEMUS courses have been run by students with the continual support of work groups and educational staff, whose members include professors and researchers from Uppsala's two universities.

CEMUS' primary point of departure and approach is based on what has become known as "Education for Sustainable Development (ESD)". Through democratic, realistic and extensive work modes, this teaching method strives to motivate students to heighten their critical thinking skills, as well as encourage responsibility and engagement in the issues of sustainable development.

The courses at CEMUS also function as a complement to the universities' specialised and disciplinary education. CEMUS is constantly widening its scope to address the most current debates in our society, as well as requests from students. Around 800 students per year take part in one of the many different courses offered at CEMUS.

About CEMUS

CEMUS has as its goal to advance and inspire education and knowledge within the field of environment and development studies, as well as other boundary-transcending issues connected to sustainable development.

CEMUS began as an initiative by students in the early 90's and CEMUS courses are, in large part, still run by students today. Since January 2007, CEMUS joined the Uppsala Center for Sustainable Development (CSD Uppsala) in conjunction with Uppsala University and SLU, Sweden's agricultural university.

The coordinators at CEMUS help create and run CEMUS courses, at both entry and advanced levels, and they work in close collaboration with well-respected teachers and researchers from both universities.

More information about us can be found at www.csduppsala.uu.se/cemus or www.cemusstudent.se

CEMUS is also active via Facebook and twitter:

<http://www.facebook.com/cemuscsduppsala>

<http://twitter.com/CEMUSCSDUPPSALA>

This year CEMUS is offering the following courses:

Autumn 2014

- Global Sustainability Science Course Package, 30 ECTS
- Global Challenges & Sustainable Futures, 7.5 ECTS
- Critical Perspectives on Sustainable Development in Sweden, 7.5 ECTS
- The Global Economy – Environment, Development and Globalisation, 15 ECTS
- Sustainable Development - Project Management and Communication, 15 ECTS
- Hållbar Utveckling A, 30 ECTS
- Människan och naturen, 7.5 ECTS
- Global miljöhistoria, 7.5 ECTS



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- Klimatet, energin och det moderna samhället, 7.5 ECTS
- Worldviews and Visions, a Seminar Series (part of the Master program for Sustainable Development – only open to students from the program), 5 ECTS
- Introduction to Interdisciplinary Science (part of the Master program for Sustainable Development – only open to students from the program), 5 ECTS

Spring 2015

- Applied Sustainability Science Course Package, 30 ECTS
- Actors and Strategies for Change – Towards Global Sustainabilities, 7.5 ECTS
- Sustainable Design – Ecology, Culture and Human Built Worlds, 7.5 ECTS
- Climate Change Leadership – Power, Politics and Culture, 15 ECTS
- Sustainable Development - Project Management and Communication, 15 ECTS
- Hållbar utveckling B, 30 ECTS
- Livsfilosofi och det moderna samhället, 7.5 ECTS
- Teknik, makt och mänsklighetens framtid, 7.5 ECTS
- Hållbar utveckling – värderingar, världsbilder och visioner, 15 ECTS
- Worldviews and Discourses, a Seminar Series (part of the Master program for Sustainable Development – only open to students from the program), 5 ECTS
- Current Themes and Debates in Global Environmental History (part of the Master program in Global Environmental History – only open to students from the program), 7.5 ECTS

Summer 2015

- Urban Agriculture – Permaculture and Local Food Systems, 7.5 ECTS

CEMUS Forum

CEMUS is also a meeting place – or forum – for students, organisations, researchers, the private sector and others with an interest in questions concerning sustainable development. CEMUS offers a place for a wide spectrum of different kinds of meetings and activities.

CEMUS Research Forum for Doctoral Students

Over the last decade, CEMUS has developed an interdisciplinary research forum, (Cefo), for the doctoral students at Uppsala University and SLU. Cefo's activities are centered round the doctoral seminar and its main focal point is, like in the rest of CEMUS' activities, environment and development issues. Besides the doctoral seminar, Cefo works with organising courses at doctoral level, offer assisting thesis tutors, organise international field trips and offers a possibility of financing research trips. Cefo is also developing international networks for doctoral students and researchers and is working on widening its operations to include bigger research areas and projects.

CEMUS Roots

CEMUS Roots is the name of CEMUS' student organisation. By being involved in CEMUS Roots and the student council - the board of CEMUS Roots - you represent the interest of students in CEMUS' different working groups and the board of CSD Uppsala. CEMUS Roots brings up issues concerning the future of CEMUS, as well as organises activities, seminars, and more, depending on current interests of the students.



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Practical Information

CEMUS is open between 9:00am and 4:30pm, Mondays to Fridays. If you want to use the computers or study in the library outside these hours or during weekends, you can easily get a keycard. To get a keycard, go to the building attendant's office next door to the library in Geocentrum.

In the CEMUS library you will find literature related to environment and development issues, up-to-date magazines and journals and computers. These computers are supposed to be used by students and personnel at CSD Uppsala only. You can also have a cup of coffee from the nearby coffee shop, slouch in the sofas and read the course literature. All the course literature for CEMUS courses is available there, but only for reading inside the library, not taking home. Other books that are not course literature are available to borrow. You can use our facilities for organising open meetings, conferences, seminars, movie shows, lectures, etc. Send an e-mail to info@cemus.uu.se for more information and help. CEMUS also has its own newsletter. If you would like to receive it, go to <http://www.cemus.uu.se/cemusnewsletter.html> and sign up.

Contact Cemus

Visit us at Villavägen 16 in Uppsala

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