Climate and Landscape Changes – Past and Future

Module Name	Climate and Landscape Changes – Past and Future
Identification code	CLC
	enrollment for exam QIS: 72600
Subtitle	Officialities oxall Qio. 72000
Courses embedded	Lecture: Palaeoclimate and future climate models (2 SWS)
Oddises embedded	Seminar: Journal Club (2 SWS)
Term	Lecture: winter term (annually)
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Coordinator	
Teachers	Prof. Dr. Ingmar Unkel
	Prof. Dr. Ingmar Unkel
Tuition language	English Florida Month and American Month and Americ
Programme involvement	Elective MSc Environmental Management
	Elective MSc Ecohydrology
	Elective MSc Applied Ecology
Teaching form,	Lecture: 2 SWS
contact time per week	Seminar: 2 SWS
class size	
Workload overall	Lecture: 30h/90h
Contact time	Seminar 30h/90h
Kreditpunkte (=ECTS)	6
Preconditions prescribed	
Prerequisites recommended	
Learning outcomes	Lecture: understanding of climate-landscape-human
	interaction
	Seminar: scientific literacy
Content	Lecture: CO2 and long term climate
	Orbital scale climate change
	Deglacial and Millenial Climate Changes
	Historical and future climate changes
	Human-climate interaction Landscape-climate-interaction
	Seminar: "Journal Club" should bring the students into contact
	with the most actual publications as well as with some "classical
	papers" from high ranking international peer-reviewed journals.
	The topics of the "Journal Club" are supposed to range from
	geoarchaeology to archaeometry, archaeological sciences,
	aDNA, palaeoenvironments and palaeoclimate, covering
	publications in journals like Nature, Science, PNAS, Quaternary
	Science Reviews, Journal of Archaeological Science, Journal of
	Palaeolimnology etc. Every session, one (or occasionally two)
	paper(s) is presented by one of the participants for ca. 20 min.,
	while all the other participants are supposed to also have read the
	paper before the session. The presentation is followed by a scientific debate on the respective paper(s).
Assessment	Lecture: written exam (100% of total module) Klausur
Vasessillellf	Lecture. Writteri exam (100 % or total moutile) Mausur
Teaching media	
Literature	Lecture: W. Ruddiman: Earth's Climate – past and future
	Seminar: actual peer-reviewed journal articles
Contact	Prof. Ingmar Unkel, iunkel@ecology.uni.kiel.de, -5241
Remarks	i ron mymai onko, <u>lankere ecology amikienae</u> , -5241
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