

<b>Georg-August-Universität Göttingen</b>	6 C 4 WLH
<b>Module M.FES.114: Ecosystem - Atmosphere Processes</b>	
<p><b>Learning outcome, core skills:</b> Understanding the carbon and water cycle of terrestrial ecosystems requires a solid understanding of biogeophysical and biogeochemical processes at the ecosystem – atmosphere interface. These processes are directly affected by human induced alterations of the climate system such as climate change and land use.</p> <p>In this course, the students will learn about ecosystem – atmosphere processes based on real datasets from forests and other terrestrial ecosystems. The student will be exposed to a quantitative analysis of the data and will gain basic insights into land surface modelling considering land use as well as climate change.</p>	<p><b>Workload:</b> Attendance time: 56 h Self-study time: 124 h</p>
<b>Course: M.FES.114.Ex Ecosystem – Atmosphere Processes</b> (Lecture, Seminar)	2 WLH
<b>Course: M.FES.114.Lec Ecosystem – Atmosphere Processes</b> (Exercise)	2 WLH
<p><b>Examination: Presentation (approx. 20 minutes, 50%) and oral exam (approx. 20 minutes, 50%)</b> M.FES.114.Mp: Ecosystem - Atmosphere Processes</p>	6 C
<p><b>Examination requirements:</b> The student will learn about biogeophysical and biogeochemical processes at the ecosystem – atmosphere interface. They will have the ability to formulate these processes in the programming language R and describe them quantitatively.</p>	
<p><b>Admission requirements:</b> none</p>	<p><b>Recommended previous knowledge:</b> none</p>
<p><b>Language:</b> English</p>	<p><b>Person responsible for module:</b> Prof. Dr. Alexander Knohl</p>
<p><b>Course frequency:</b> each winter semester</p>	<p><b>Duration:</b> 1 semester[s]</p>
<p><b>Number of repeat examinations permitted:</b> cf. examination regulations</p>	<p><b>Recommended semester:</b></p>
<p><b>Maximum number of students:</b> not limited</p>	