

<b>Georg-August-Universität Göttingen</b>		6 C 4 WLH
<b>Module M.FES.726: Ecological Modelling with C++</b>		
<b>Learning outcome, core skills:</b> <ul style="list-style-type: none"> <li>• Implementing ecological questions in model structures</li> <li>• Independently develop simulation models</li> <li>• Programming with C++</li> <li>• Proficiency in the use of software dedicated to programming C++</li> <li>• Commenting and documenting program code</li> </ul>		<b>Workload:</b> Attendance time: 56 h Self-study time: 124 h
<b>Course:</b> M.FES.726.Lec <b>Ecological modelling with C++</b> (Lecture, Exercise) <i>Contents:</i> The module conveys advanced knowledge of modelling ecological questions. The focus is on the implementation of ecological models with the programming language C++. The module covers the fundamentals of C++ to the degree necessary for the implementation of models. Programming skills are applied in an independent modelling project implementing an own model question. The modelling project is documented in the term paper.		4 WLH
<b>Examination: Term Paper (max. 20 pages)</b> M.FES.726.Mp: Ecological modelling with C++		6 C
<b>Examination requirements:</b> Develop ecological questions and translate them into model structures; Read and understand C++; implement model independently.		
<b>Admission requirements:</b> none	<b>Recommended previous knowledge:</b> none	
<b>Language:</b> English	<b>Person responsible for module:</b> Prof. Dr. Kerstin Wiegand	
<b>Course frequency:</b> each winter semester	<b>Duration:</b> 1 semester[s]	
<b>Number of repeat examinations permitted:</b> cf. examination regulations	<b>Recommended semester:</b>	
<b>Maximum number of students:</b> 14		