Georg-August-Universität Göttingen **Module M.Inf.1237: Seminar Newest Trends in High-Performance Data Analytics**	5 C 2 WLH

Learning outcome, core skills: The students will be able to • Appraise research in the area of high-performance data analytics • Compose a presentation covering their selected topic in depth • Evaluate findings (tools or theory) of other researchers • Explain theory and application covering their topic	**Workload:** Attendance time: 28 h Self-study time: 122 h

Course: M.Inf.1237.Sem **Seminar Newest Trends in High-Performance Data Analytics (NTHPDA)** (Seminar) *Contents*: High-Performance Data Analytics is a vehicle to extract findings from large data sets. It is an indispensable tool in science and business but a rapidly changing field. *Teaching und learning methods:* As part of this seminar, you will create a presentation and report revolving around a selected hot topic in German or English. You will learn to research literature and may conduct small experiments to provide a holistic view of the selected topic. You will meet regularly with an assigned supervisor and work towards the presentation and report. *Remark:* If you like to prepare for the topic early, we can hand out a topic during the lecture free time before the term - just contact us.	2 WLH
Examination: Presentation (approx. 35 min.) and report (max. 15 pages) M.Inf.1237.Mp: Seminar Newest Trends in High-Performance Data Analytics **Examination prerequisites:** Participation in the seminar **Examination requirements:** Presentation (50%) and report (50%)	5 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Julian Kunkel
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 40	