Modul-Nr./ Module-Code	**BMSIB2500**
Modulbezeichnung / Module title	**SAP Business Computing**
Semester or Trimester	3rd Semester
Dauer des Moduls / Duration of the module	1 Semester
Art der Lehrveranstaltung (Pflicht, Wahl, etc.) / Type of module (Compulsory, Elective etc.)	Compulsory subject
Ggfs. Lehrveranstaltungen des Moduls / If applicable: Sub-modules	Enterprise Resource Planning (ERP)
	Reporting and Visualization
Häufigkeit des Angebots des Moduls / The module is offered …	Annually (winter semester)
Zugangsvoraussetzungen / Prerequisites for attending	None
Verwendbarkeit des Moduls für andere Module und Studiengänge / Applicability of the module for other modules and degree courses	As the students gain basic knowledge about standard software for supporting business processes, the ERP sub-module is a good supplement for all other modules providing knowledge about business functions in Controlling, Sales, Production Planning and Human Resources Management. Practical reporting and visualization knowledge is useful and applicable in all other modules as well as for the own thesis.
Modulverantwortliche/r / Lecturer in charge	Prof. Dr. Knut Verbarg
Name der/des Hochschullehrer/s / Name of the lecturer	Prof. Dr. Petra Strauch / Prof. Dr. Knut Verbarg
Lehrsprache / Language of Instruction	English
Zahl der zugeteilten ECTS credits / Number of ECTS credits	5
Gesamtworkload und ihre Zusammen-setzung / Workload and its composition	150 h (86 h self-study + 64 h contact time)
SWS / Contact hours per week	4 (2+2)
Art der Prüfung / Assessment methods)	Written examination (K2)
Gewichtung der Note in der Gesamtnote / Weight in final grade	2 %
Qualifikationsziele des Moduls / Learning outcomes of the module	Knowledge & Understanding: Students gain basic knowledge about standard software for supporting business processes in the area of Enterprise Resource Planning. The goal of the course is the students are able to evaluate the functionality of ERP systems and support in the selection and introduction of a suitable application. They become acquainted with modern BI (business intelligence)

	tools, understanding their potential and features.

<u>Applying knowledge & understanding</u>
Furthermore, they gain essential insights about the objectives and the functionality of ERP systems and tools. The theory acquired has to be applied in complex case studies using SAP ERP software.

<u>Making judgements</u>
Students are encouraged to devise and sustain arguments for identifying and evaluating the operational and strategic potential of IT systems and tools.

<u>Communication</u>
Students are expected to present and discuss the results of their SAP based case studies in class.

<u>Learning skills</u>
Nearly all companies use complex IT systems to support their business processes. Therefore, the students should gain knowledge about the objectives and functionality of standard business software in the area of Enterprise Resource Planning (ERP). They should gain practical experience in using an ERP system to support selected business processes. Students are able to leverage reporting knowledge and tools in realistic business scenarios and during their course of studies. |
| Inhalte des Moduls / Syllabus | Part ERP:
- Basics of standard Business Software
- Introduction to the essential functions of the SAP ERP® System
- Support of selected processes using SAP ERP®
- Practical excercises using SAP ERP®
- Complex and realistic case studies in different business areas (Sales, Controlling, HR, Materials Management, Production Planning and Execution) |

	Part Reporting and Visualization: • Concepts and Architecture of Data Warehousing • Reporting with state-of-the-art BI tools as (at the time of writing this) MS Excel, SAP BO Lumira, SAP BO Analysis Office, SAP BO DesignStudio Rules and tricks for designing professional visualizations like the International Business Communication Standards (IBCS)
Lehr- und Lernmethoden des Moduls / Teaching Methods of the Module	Lectures, practical exercises in the PC lab, case studies, class discussions, group projects
Besonderes / Special Features	
Literatur / Literature	http://help.sap.com Additional literature will be provided in the course as needed.