Transactional Processing Systems in Logistics (SAPL) (BIS 3012)

Syllabus, Winter 2017/2018

Weekly hours	2 hours
ECTS-Credits	**3**
Workload	90 hours, 30 hours within class and 60 hours for self-study and preparation presentation
Begin	
Level	Advanced
Language	English
Prerequisites	BIS2041 or SAP Intro, Proof of English language skills
Lecturer	Prof. Dr. Joachim Schuler Office: W2.2.04 Email: joachim.schuler@hs-pforzheim.de Office hours/colloquium: see LSF

Course Description

This course provides a deeper insight on business functions, processes and data requirements and emphasis on production planning and control using SAP ERP

Learning Goals

- Understand IT solutions for the integration of business process throughout the enterprise
- Analyze, design and propose fundament business processes and expain, how these processes interact with SAP ERP in the areas of Sales Order Management, Material and Production Planning, Procurement and Inventory Management.
- Propose IT based production processes to optimize the enterprise's performance and KPI´s to measure performance
- Perform integrated processes in SAP ERP and understand the underlying concepts of organizational structures, masterdata and customizing possibilities

Overview of Course Content

- Introduction to Production Planning Core Concepts and GBI
- Organizational Structures and Masterdata for PP in SAP ERP
- Casestudy PP
- Projectwork in Groups and Coaching
- Final Presentation of Project Results

Contribution to program goals

2.1	Use of IT in laboratory	Use SAP ERP
3.1	Critical thinking and analytical competence	Critical analysis of processes in production and supply chains
5.2	Oral communication	Presentation of project results
6.1	Team work	Conducting team work in project
7.1	Expert knowledge	Processes in Production planning and Control (PP) and the support of PP with SAP ERP
7.2	Application of methods	
7.3	Critcal reflection/ alternative solutions	about KPIs and how to optimize PP processes

Teaching approach

This course follows a holistic approach to teaching and learning. During the lectures, the content will be presented supported by in-class discussions. Additionally, a case study is used to deepen the students' understanding for SAP ERP. The case study will need to be work on the project in teams. The project is to develop and present an integration process live on SAP ERP.

Course assessment

All students will work on a project in teams and present their results. The assessment will be made on the project results and the presentation. The presentation has to be

submitted (as advised) before the due time. Team work is to be shared equally among members of the group.

Literature

	Akhtar, Jawad; Production planning and control with SAP ERP, 1. ed., Galileo Press, 2013.
	Dickersbach, Jörg Thomas; Keller, Gerhard; Produktionsplanung und -steuerung mit SAP ERP, 4. aktual. Auflage, Galileo Press, 2014

Ressources

Lecture slides, case material, and any additional resources will be provided through the e-learning platform

Timetable (tentative)