

<b>Course title and number</b>
Integration Management with SAP ECC: Implementation Project (248)
<b>Course level</b>
Undergraduate
<b>Number of credits</b>
6 ECTS
<b>Period of registration via WWW</b>
11 August 2011, 2 p.m. (Central European Time) until 18 August 2011
<b>Instructor(s)</b>
Alexander Prosser
<b>Schedule</b>
Please check the schedule in the current <a href="#">course catalogue</a> .
<b>Course objectives (learning outcomes)</b>
This subject re-enforces the lessons learnt in subject "Integration Management with SAP ECC: An Introduction to Logistics and Controlling (Kurs V)"
A complex case study is implemented by students in project groups of 2-3 students, which combines accounting, production, and logistics processes of a manufacturing company.
<b>Course contents (by teaching unit)</b>
Master data for the MRP process: Implementation of the organizational structure, materials master and material planning , product structure, cost centre planning and work centres, linkage between cost accounting and production/logistics, work centres and their capacity, routings.
MRP and accounting: Deriving sales projections and primary requirements, MRP, planned production orders and purchase requisitions, customizing the MRP process, linking MRP to accounting.
Procurement logistics and accounting: Master data in procurement, information records, processing the purchase requisitions produced by the MRP run and deriving purchase orders; delivery and billing of the items ordered.
Production planning and control: Entering and checking production orders, lot splitting/summarizing, capacity planning and smoothing; process-oriented customizing with respect to scheduling, availability check, calculation schemes, and order execution/confirmation.
Sales logistics and revenue accounting: Selling items, price determination, accounting, inventory management, customer management (credit limit, customer-specific discounts, etc.).
Specific Teaching Strategies: Interactive, problem-based lectures and seminars will demonstrate the linkages between concept and practise for the above-mentioned processes through illustrating in real-time how these matters can be implemented in SAP ECC. Entity Relationship Models for master data entry and Event-driven Process Chains (EPCs) for operational processes will help students to navigate through the ECC system and to see the link between the concept to be implemented and the actual information system. The students will prepare a case study which combines the production, logistics, and the project-oriented processes of an industrial company.
<b>Teaching and learning method(s)</b>
Master data for the MRP process: Implementation of the organizational structure, materials master and material planning , product structure, cost centre planning and work centres, linkage between cost accounting and production/logistics, work centres and their capacity, routings.
MRP and accounting: Deriving sales projections and primary requirements, MRP, planned production orders and purchase requisitions, customizing the MRP process, linking MRP to accounting.
Procurement logistics and accounting: Master data in procurement, information records, processing the purchase requisitions produced by the MRP run and deriving purchase orders; delivery and billing of the items ordered.
Production planning and control: Entering and checking production orders, lot splitting/summarizing, capacity planning and smoothing; process-oriented customizing with respect to scheduling, availability check, calculation schemes, and order execution/confirmation.
Sales logistics and revenue accounting: Selling items, price determination, accounting,

inventory management, customer management (credit limit, customer-specific discounts, etc.).

Specific Teaching Strategies:

Interactive, problem-based lectures and seminars will demonstrate the linkages between concept and practise for the above-mentioned processes through illustrating in real-time how these matters can be implemented in SAP R/3. Entity Relationship Models for master data entry and Event-driven Process Chains (EPCs) for operational processes will help students to navigate through the R/3 system and to see the link between the concept to be implemented and the actual information system. The students will prepare a case study which combines the production, logistics, and the project-oriented processes of an industrial company.

#### **Prerequisites and/or admission requirements**

This course is only for bachelor students available!

"Integration Management with SAP ECC: An Introduction" (Kurs IV) has to be attended beforehand in the same semester.

#### **Criteria for successful completion and grading**

Assessment will be based upon case study implementation:

Cost accounting 20%

MRP master data 20%

MM/PP customizing 20%

SOP and MRP 20%

Operational MM/PP processes 20%

#### **Availability of instructor(s) for contact by students**

[alexander.prosser@wu.ac.at](mailto:alexander.prosser@wu.ac.at)

#### **For administrative matters please contact**

Institute's homepage: <http://prodman.wu.ac.at>

#### **URL with further information on this class**

#### **Miscellaneous**

Mandatory entrance exam for exchange students

Place and time to be announced!

#### **Introductory and supplementary literature:**

**1Author:** Prosser, A., Bagnato, D., Müller-Török, R.:

**Title:** Integration Management with SAP ECC

**Publisher:** Facultas, Vienna

**Edition and year:** 2009