

MPH_AOMA (Enterprise Resource Planning Systems) – questions autumn 2011

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All questions could be studied with the help of related study materials handed over to students during lessons held in Brno (Autumn 2011)

Will be shortly reviewed (explained) during last lessons (7.12.2011). Important parts of below specified questions may be found in your Seminar works.

Resources:

ESF:MPH_AOMA Operations Management (autumn 2011)

In another term: autumn 2011, Autumn 2010

Operations

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File or folder	Uploaded/Created by	Uploaded/Created
Study materials posted under the course ESF.MPH_AOMA /MPH_AOMA/		15. 9. 2011
0 Learning Materials /um/		15. 9. 2011
1 ROPOT (Revision, Opinion Poll and Testing) /odp/		15. 9. 2011
0 Homework Vaults /ode/		15. 9. 2011
1 Course-Related Instructions /op/		15. 9. 2011
Assignment of 2nd Operations Management Seminar Work for Erasmus Assignment...111109.doc	Skorkovský, J.	9. 11. 2011
Basic budgets and analysis Basic_budgets_and_analysis_20090417.doc	Skorkovský, J.	23. 11. 2011
Basic ERP architecture -introduction Basic_ERP_...110215.ppt	Skorkovský, J.	21. 9. 2011
Boston matrix and Product Life Cycle Boston_matrix_UK.ppt	Skorkovský, J.	16. 11. 2011
BPM_I power point AOMA_01.ppt	Skorkovský, J.	31. 10. 2011
CONWIP principles MPH AOMA-theory CONWIP_pri...00805.pptx	Skorkovský, J.	30. 11. 2011
Critical Chain ENG I 20111109 Critical_Chain_ENG_I_20111109.ppt	Skorkovský, J.	9. 11. 2011
Critical Chain ENG Critical_Chain_ENG_I_20090105.ppt	Skorkovský, J.	2. 11. 2011
Demonstration of processes in ERP AOMA_02.ppt	Skorkovský, J.	31. 10. 2011
Drum_Buffer_Rope Theory Drum_Buffer_Rope_ENG_20080108.ppt	Skorkovský, J.	30. 11. 2011
Introduction to MS Dynamics ERP NAV 5-part five Payment Introduti...101110.doc	Skorkovský, J.	16. 11. 2011
Introduction to MS Dynamics ERP NAV 5-part four version 2 Introduti...101103.doc	Skorkovský, J.	16. 11. 2011
Introduction to MS Dynamics ERP NAV 5-part one Introduti...101006.doc	Skorkovský, J.	21. 9. 2011
Introduction to MS Dynamics ERP NAV 5-part six Analysis Introduti...111116.doc	Skorkovský, J.	16. 11. 2011
Introduction to MS Dynamics ERP NAV 5-part three version 2 Introduti...101020.doc	Skorkovský, J.	12. 10. 2011
Introduction to MS Dynamics ERP NAV 5-part two Introduti...101013.doc	Skorkovský, J.	5. 10. 2011
Ishikawa fishbone diagram Ishikawa_fishbone_diagram_ENG_20111109.ppt	Skorkovský, J.	9. 11. 2011
Order processing diagram Order_processing.png	Skorkovský, J.	31. 10. 2011
Pains and benefits Pains_and_benefits_ESF-MU_ENG_version_I_20090223.ppt	Skorkovský, J.	23. 11. 2011
Pareto analysis-simplified 20100929 Pareto_ana...100929.ppt	Skorkovský, J.	9. 11. 2011
Project activities - general description ERP_projec...111004.ppt	Skorkovský, J.	5. 10. 2011
Seminar work 2011 Assignment	Skorkovský, J.	12. 10. 2011
Assignment_of_Operations_Management_seminar_work_20111012.doc	Skorkovský, J.	12. 10. 2011
TOC_PMPINSA_English_Version 20111005 -version 20111012	Skorkovský, J.	12. 10. 2011
TOC_PMPINS...111005.ppt	Skorkovský, J.	12. 10. 2011
Top ten benefits Toptenbenefits.pdf	Skorkovský, J.	31. 10. 2011
File Vault https://is.muni.cz/auth/of/1456/MPH_AOMA/podzim2011/		15. 9. 2011

Operations

Below listed material (are including in the copy of the student material above as well) have to be used for MS Dynamics NAV 5.0 studies. Mind you, that access to ERM system MS Dynamics NAV 5.0 ENG version is possible in both public computer rooms.

Introduction to MS Dynamics ERP NAV 5-part one

Introduction to MS Dynamics ERP NAV 5-part two

Introduction to MS Dynamics ERP NAV 5-part three selling : simple business case

Introduction to MS Dynamics ERP NAV 5-part four

Introduction to MS Dynamics ERP NAV 5-part five

Applying principles MS Dynamics NAV (which is not visible in the above listing and was uploaded to the study material 5.12.2011).

Sales discount basics (will be presented concisely 7.12.2011) and it is not visible in the above listing and was uploaded to the study material 5.12.2011).

Basic ERP diagram (purchase-sales) – PWP (which is not visible in the above listing and was uploaded to the study material 5.12.2011).

Listing of Theory Resources – will be used below to show you mapping knowledge - resources

- A. ERP project activities _ 20090102
- B. Pains_and_benefits_ESF-MU_ENG_version_I_20090223
- C. Critical_Chain_ENG_20090105
- D. TOC_PMPINSA_English_version_20081219
- E. Short explanation of applying principles
- F2. Boston Matrix and Product Life Cycle (PLC)
- F3. Applying principles MS Dynamics NAV 20090320
- G1. Ishikawa fishbone diagram ENG
- G2. Pareto Analysis Simplified
- H. Basic Budget and Analysis

ERP Resources (practice)

- I. Demo version of MS Dynamics NAV 5.0 W1
- J. 1st Part of Helping material
- K. 2nd Part of Helping material
- L. 3th Part of Helping material –selling (simple business case)
- M. Sales discount basic for foreign students (PWP)
- N. Material related to Sales Discount Setup (Intro to MS Dynamics ERP NAV in concise clauses-part four)
- O. Tutorial I for MS Navision NAV 5.0 W1 (Step-by-step Hand On)
- P. ERP Basic and very simplified Principles (chosen slides only- not the ones with feedbacks)
- Q. Basic ERP Architecture
- R. 4th part of Helping material
- S. 5th part of helping material (Exercise for payment of the open entries)

Enterprise Resource Planning Systems

Theory Questions (resources A-H):

Structure of the theory question:

Number	Description :	Resource (slides if required)
1.	What is required by competitive ERP markets:	A, B, F2 (innovation, road map, PLC,..)
2.	Name some reason for change the old ERP system:	A and B
3.	Name key activities of the implementation project (project entries):	A
4.	What is a Gantt chart:	A and C (your seminar works)
5.	Evaluation of the project result. How we can know, that the Project was successful? :	A, C and your seminar works
6.	Which knowledge is necessary for project management? :	A ,C
7.	Simplified chart (diagram) of ERP functions :	A, P
8.	Specify the basic concept of the Theory of Constraints :	D, G2
9.	TOC metrics :	D
10.	Cost World and Throughput World :	D
12.	TOC five steps:	D
13.	Basic trees (Thinking process tools) – Current Reality Tree, Evaporating Cloud Tree and Future Reality Tree:	D
14.	Project and its budget:	C
15.	What is bad multitasking? :	C
16.	Critical path and Critical Chain:	C
17.	Use of project buffer (buffer management concept) :	C
18.	Pains and benefits:	B
19.	Creation of the vision:	B (nine steps slide in the PWP presentation B
20.	Ishikawa fishbone diagram:	G1
21.	Boston matrix and Product Life Cycle (PLC) :	F2
22.	Pareto analysis:	G1 (end of the slide show) and G3

Practice Questions (resources I-S) – *not valid for the Erasmus students studying during Autumn term 2011 in Bratislava:*

1. Modularity of the ERP systems.
2. Main windows (forms) used in ERP and syntax for Debits and Credits (posted General Ledger Entries
3. Users modification of the ERP windows (Hide and Show column, moving column)
4. Main tables (Item, Customer, Vendor and Account).
5. Purchase of an item and impacts of F11 (posting) -> item and vendor entries, G/L entries.
6. Sale of an item and impacts of F11 (posting) -> item and customer entries, G/L entries.
7. What is an applying principles.
8. Payment of the open entry (customer or vendor) by use of the Financial Journal.
9. Discounts and the use of this.
10. Contact Card and its profile and use of it.