

## BPH\_EPS1 (Enterprise Resource Planning Systems) – questions spring 2012

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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 ( Spring 2012)

Will be shortly reviewed (explained) during last lessons (27.04.2011) taking into consideration, that 4.5.2012 is a first assigned date for exams. Important parts of below specified questions may be found in your Seminar works (*if this was assigned- for Spring 2012 it was not the case*)

### Resources:

Složka či soubor	Vložil/a	Vloženo
Studijní materiály předmětu ESF:BPH_EPS1 /BPH_EPS1/		30. 10. 2011
/0 Učební materiály /umv		30. 10. 2011
/1 Odpovědníky /odp		30. 10. 2011
/0 Odevzdávány /ode		30. 10. 2011
/1 Organizační pokyny /op		30. 10. 2011
Applying principles MS Dynamics NAV 20090320 Applying_p...090320.ppt	Skorkovský, J.	15. 3. 2012
Basic ERP architecture Basic_ERP_architecture_20110215.ppt	Skorkovský, J.	24. 2. 2012
Basic ERP diagram (purchase-sales) Basic_ERP_...090305.ppt	Skorkovský, J.	15. 3. 2012
Boston matrix Boston_matrix_UK.ppt	Skorkovský, J.	6. 4. 2012
Budgets and analysis Budgets_and_analysis_20090417.ppt	Skorkovský, J.	6. 4. 2012
Courseware- introduction to the system MS Dynamics NAV (Navision) 8324a_Courseware.exe	Skorkovský, J.	15. 2. 2012
Critical Chain ENG I 2012 Critical_Chain_ENG_I_20120323.ppt	Skorkovský, J.	23. 3. 2012
Drum Buffer Rope_ENG_20080108 Drum_Buffer_Rope_ENG_20080108.ppt	Skorkovský, J.	24. 4. 2012
Drum Buffer Rope_ENG_20080108 Olap_MU_modification_supplement_I_20080407.ppt	Skorkovský, J.	24. 4. 2012
ERP project activities ERP_project_activities_20111004.ppt	Skorkovský, J.	9. 3. 2012
INSTALLATION MANUAL FOR MS DYNAMICS NAV 5.0 W1 Instalace_...20208.pptx	Skorkovský, J.	15. 2. 2012
Introduction to MS Dynamics ERP NAV 5-part five Payment Introducti...101110.doc	Skorkovský, J.	24. 2. 2012
Introduction to MS Dynamics ERP NAV 5-part four version 2 Introducti...101103.doc	Skorkovský, J.	24. 2. 2012
Introduction to MS Dynamics ERP NAV 5-part one Introducti...101006.doc	Skorkovský, J.	24. 2. 2012
Introduction to MS Dynamics ERP NAV 5-part six analysis Introducti...111116.doc	Skorkovský, J.	9. 3. 2012
Introduction to MS Dynamics ERP NAV 5-part three version 2 Introducti...101020.doc	Skorkovský, J.	24. 2. 2012
Introduction to MS Dynamics ERP NAV 5-part two Introducti...101013.doc	Skorkovský, J.	24. 2. 2012
Ishikawa fishbone diagram Ishikawa_fishbone_diagram_ENG_20111109.ppt	Skorkovský, J.	30. 3. 2012
Latest version of prerequisite file for MS Dynamics NAV implementation vcredist_x86.exe	Skorkovský, J.	8. 3. 2012
MS Dynamics NAV Nothing so simple NAVI_Nothing...20224.pptx	Skorkovský, J.	24. 2. 2012
Pains and benefits ESF-MU ENG version Pains_and_...090223.ppt	Skorkovský, J.	13. 4. 2012
Pareto analysis-simplified Pareto_analysis-simplified_20100929.ppt	Skorkovský, J.	30. 3. 2012
Sales Discounts Basics for ERP MS Dynamics NAV Sales_Disc...090308.ppt	Skorkovský, J.	13. 4. 2012
TOC_PMPINSA_English_Version 20111005 TOC_PMPINSA...111005.ppt	Skorkovský, J.	16. 3. 2012
Poskytovna <a href="https://is.muni.cz/auth/of/1456/BPH_EPS1/jaro2012/">https://is.muni.cz/auth/of/1456/BPH_EPS1/jaro2012/</a>		30. 10. 2011

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 ERP 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** ( was uploaded to the study material 15.3.2012).

**Sales discount basics** (was already concisely presented and it uploaded in the above listing of the study material 13.4.2012).

**Basic ERP diagram (purchase-sales)** – PWP ( was uploaded to the study material 15.3.2012).

**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
- D. TOC\_PMPINSA\_English
- E. Short explanation of applying principles
- F2. Boston Matrix and Product Life Cycle (PLC)
- F3. Applying principles MS Dynamics NAV
- G1. Ishikawa fishbone diagram ENG
- G2. Pareto Analysis Simplified
- H. Basic Budget and Analysis
- I. Drum – Buffer-Rope PWP presentation (uploaded 24.4.2012) – will be discussed 27.4.
- J. OLAP PWP presentation (uploaded 24.4.2012) - – will be discussed 27.4.

### ERP Resources (practice)

- K. Demo version of MS Dynamics NAV 5.0 W1
- L. 1<sup>st</sup> Part of Helping material
- M. 2<sup>nd</sup> Part of Helping material
- N. 3th Part of Helping material –selling (simple business case)
- O. Sales discount basic for foreign students (PWP)
- P. Material related to Sales Discount Setup (Intro to MS Dynamics ERP NAV in concise clauses-part four)
- Q. ERP Basic and very simplified Principles (chosen slides only- not the ones with feedbacks)
- R. Basic ERP Architecture
- S. 4<sup>th</sup> part of Helping material
- T. 5<sup>th</sup> part of helping material (Exercise for payment of the open entries)
- U. 6<sup>th</sup> Introduction\_to\_MS\_Dynamics\_ERP\_NAV\_5-part\_six\_Analysis (uploaded 26.4.2012 and discussed 6.4.2012))

### 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
5.	Evaluation of the project result. How we can know, that the Project was successful? :	A, C

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6. Which knowledge is necessary for project management? : A ,C
7. Simplified chart (diagram) of ERP functions (feedback diagram) : A
8. Specify the basic concept of the Theory of Constraints : D
9. TOC metrics : D
10. Cost World and Throughput World : D
12. TOC five steps: D and Drum-Buffer- Rope (see resource I. for DBR concept)
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: G2
23. OLAP (see resource J)
24. Basics of budgeting (H) – may be shown by use of MS Dynamics NAV

### **Practice Questions (resources I-S) :**

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. (F3- list of the theory resources)
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.
11. Accounting schedule (See our example of simplified VAT report – see resource U)
12. Production (basics such as Bill of material routing, production order and related item ledger entries such as Output and Consumption). Machine and Work centres, setup times and production times in routing, reason for production (customer requirement,...lack-shortage of items in inventory, Prognosis)