

QUO VADIS MPH-AOPR?

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First approach

- You are at the beginning of the course you learned about from the university server is.muni.cz.

- This course will cover classic operations management processes that discuss how these systems are configured. The focus is on the function or how these systems work.
- Still, it is useful to understand existing processes. Operations Central. Operations consideration.
- The operations related costs (Marketing (production and inventory data and analysis of management, material availability) and customer feedback).



ols, that are used to control processes. ccesses. On the other hand, in courses function or how these systems

re can be used for improvements of ne ERP system, Microsoft 365 Business uts of handy value while taking into

duction and inventory data and analysis of management, material availability) and omer feedback).

2nd approach

- Thanks to your previous experience and the courses you have taken from your former student experience or actual life practice, you have an idea of what it could be about and whether it will be helpful to you.



Basic camp

- You only know some basic requirements hazily, you don't know anything about the teacher, and you know nothing about the possible tools that will be used in the class.



You are like climbers in a base camp, with a challenging climb ahead of you.

Another approach



Lost in the black and deep forest and and over time.....

At the top

- But as you continue to "climb" your horizons will expand, and at the top, you will hopefully realize that all the effort was worth it.



After MPH_AOPR

- And if what you hope to learn ignites a spark of interest, you will want to climb other peaks.

$\oint \mathbf{E} \cdot d\mathbf{l} = \frac{d\Phi_E}{dt}$
 $f(w) = \int_{-\infty}^{\infty} f(x) e^{-2\pi i x w} dx \frac{dw}{d\omega}$
 $\nabla \cdot \mathbf{E} = \rho$
 $\nabla \times \mathbf{E} = -\frac{\partial \mathbf{H}}{\partial t}$
 $\nabla \cdot \mathbf{H} = \frac{\partial \mathbf{E}}{\partial t}$
 $-\nabla^2 \Psi = \rho$
 $\rho \left(\frac{\partial \mathbf{v}}{\partial t} + \mathbf{v} \cdot \nabla \mathbf{v} \right) = -\nabla p + \nabla \cdot \mathbf{T} + \mathbf{f}$
 $H = -\sum \rho(x) \log p(x)$
 $\frac{1}{2} G^2 S^2 \frac{\partial^2 V}{\partial S^2} + r S \frac{\partial V}{\partial S} + \frac{\partial V}{\partial t} - r V = 0$
 $TC(Q, q, m) = \sum_{i=1}^n \left[\frac{D_i}{m_i q_i} S_i + c_i V D_i + \frac{q_i H_i}{2} \left(m_i \left(1 - \frac{D_i}{P_i} \right) - 1 \right) \frac{D_i}{P_i} \right]$
 $\left[\frac{d \Delta p(s, \phi)}{d \phi} \right] = \begin{bmatrix} \gamma & -\beta \\ -\beta & 0 \end{bmatrix} \begin{bmatrix} \Delta p(s, \phi) \\ \Delta M(s, \phi) \end{bmatrix}$
 $\int_0^{\pi/2} (\log \sin x)^2 dx = \int_0^{\pi/2} (\log \cos x)^2 dx = \frac{\pi}{2} \left\{ \frac{\pi^2}{12} + (\log 2)^2 \right\}$



The organisation of teaching materials I

IS MUNI

Study Materials ⓘ

- Work with study materials of MPH_AOPR
- E-learning guide
- Sharing and copying study materials
- Homework vaults
- Interactive syllabi
- Course-related bookmarks: only teachers' ones, all
- File operations

NAME ▲

Study materials posted under the course ESF:MPH_AOPR MPH...

- Learning Materials um /3
- ROPOT (Revision, Opinion Poll and Testing) odp /1
- Homework Vaults ode /0
- Course-Related Instructions op /1
- File Vault https://is.muni.cz/auth/of/1456/MPH_AOPR/podzim2022/

Interactive Syllabus

Introduction to Operation Management and to Business Central 🔒

Operations Research and ERP

Introduction to Operation Management and to Business Central

Files

Name*

Introduction to Operation Management and to Business Central

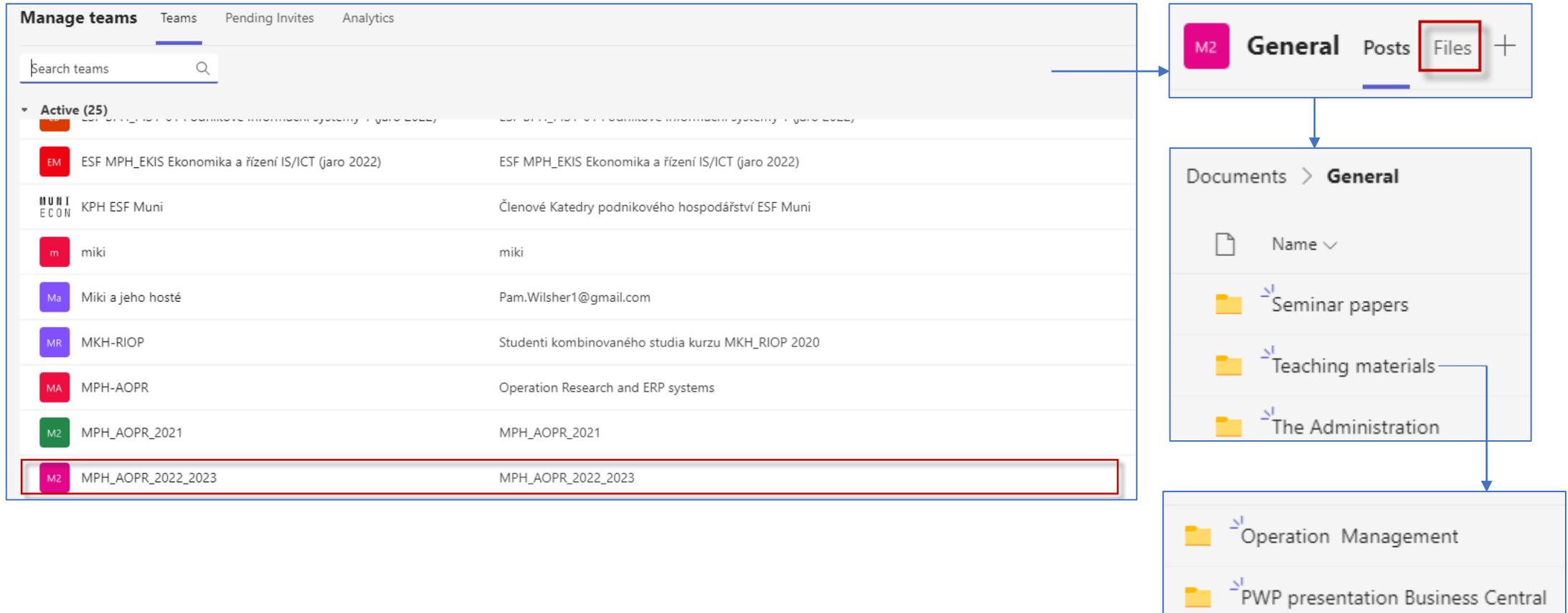
Anotace

Recommended to study from: 19.09.2022 → Recommended to study until: 26.09.2022

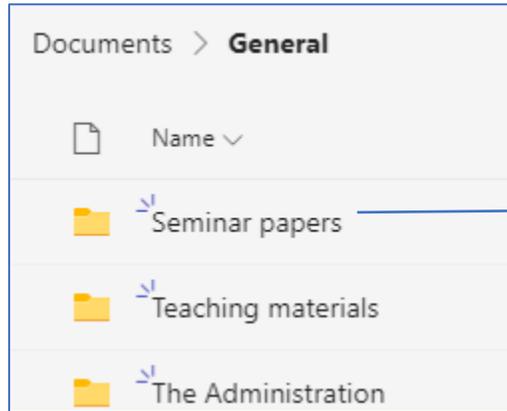
Learning Materials um /3

- Business Central Examples business_central_examples /0 Skorkovský, J.
- Business Central Power-Point files business_central_power-point_files /0 Skorkovský, J.
- Operation Management operation_management /0 Skorkovský, J.

The organisation of teaching materials II



The organisation of teaching materials III



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|--|-------------------|--------------------|
| 517125_SaddamRiar.docx | November 30, 2021 | Saddam Riar |
| ANDREW KABI KIZITO 503572 SEMINAR PR... | November 27, 2021 | Andrew Kabi Kizito |
| ANDREW KIZITO KABI 503572 SEMINAR W... | November 27, 2021 | Andrew Kabi Kizito |
| Anu Gupta-517124- Operations Research-2... | November 27, 2021 | Anu Gupta |
| Anu Gupta-517124- Operations Research-2... | November 27, 2021 | Anu Gupta |
| Carina_Bäumler_522535_OperationsManag... | November 26, 2021 | Carina Baeumler |
| Dina_Islamova_522487_MPH_AOPR_Semina... | November 27, 2021 | Dina Islamova |

Masaryk University
Faculty of Economics and Administration



Operations Management: seminar work related to Utilization – application of the Theory of Constraints (TOC), Critical Chain Project Management (CCPM) as a Project Management Methodology based on TOC principles.

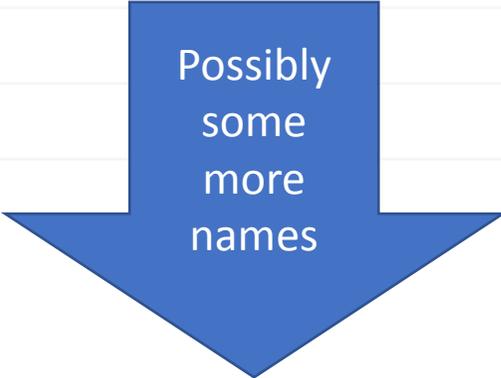


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The organisation of teaching materials –MS TEAMS IV

Members and guests (17)

| Name | Title | Tags ⓘ | <input type="checkbox"/> Mute students | Role |
|--|---|---|--|----------|
|  Filipa Peres Garcês Osório | student - Centrum zahraniční spolupráce | | <input type="checkbox"/> | Member ▾ |
|  Noémi Iflinger | student - Centrum zahraniční spolupráce | | <input type="checkbox"/> | Member ▾ |
|  Shiri Markin | student - Fakulta informatiky | | <input type="checkbox"/> | Member ▾ |
|  Thi Kim Ai Ha | student - Ekonomicko-správní fakulta | | <input type="checkbox"/> | Member ▾ |
|  Lara Seefried | student - Centrum zahraniční spolupráce | | <input type="checkbox"/> | Member ▾ |
|  Luís Paulo Pinto Torres | student - Centrum zahraniční spolupráce |  | <input type="checkbox"/> | Member ▾ |
|  Md Ariful Haque | student - Ekonomicko-správní fakulta | | <input type="checkbox"/> | Member ▾ |
|  Nguyen Nhat Ha Bui | student - Centrum zahraniční spolupráce | | <input type="checkbox"/> | Member ▾ |
|  Archecard Josue Elizer | student - Ekonomicko-správní fakulta | | <input type="checkbox"/> | Member ▾ |
|  Sharhan Shameem Deeab | student - Ekonomicko-správní fakulta | | <input type="checkbox"/> | Member ▾ |



Possibly
some
more
names

Operation Management Process

- An operations process is simply defined as **the organizational method for getting a task accomplished.**
- It consists of four distinct primary activities, which are :
 - Planning
 - Preparing
 - Executing
 - Assessing

- The goal of a business manager using operations and operations research methods is to improve the processes. But you have to determine (find) that goal in advance.
- To achieve a goal that you do not determine is as difficult as returning from a place you have never been.

