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- Created** : 31.3.2016
- Deadline** : Have to be presented and argued before an audience (Your colleagues) in the seminars, which will be held in time assigned by tutor.  
The reason of chosen deadline is a necessity to hand over related theories and time to write a seminar work. Chosen deadline is **22.4.2016**, meaning, that seminar work will be handed over **20.4.2016** at latest by e-mail to addresses [miki@econ.muni.cz](mailto:miki@econ.muni.cz) and [1730@mail.muni.cz](mailto:1730@mail.muni.cz)
- Expected extent** : Minimum **9** pages
- Suggestions** : 30 % of the volume might be description of the used theories, which will be used as a bridgehead for practical part of the work. You have to mention used resources at the end of your work. I expect links (relations) from seminar work body to list of resources, meaning to indicate which texts were taken from which literature
- Theory used** : it is expected, that student will use Theory of Constraints and related Thinking tools, Critical Chain Project Methodology (CCPM), Ishikawa Fishbone Diagram and Pareto Analysis.
- Tuition plan** : TOC(ended 18.3.), CCPM (will be presented 1.4.2016), Ishikawa, Pareto (8.4.2016)
- Title Page** : Name of the student, his e-mail and student number and any kind of Photo as well as Date of creation. Also indicate the handover date of your work
- Presentation** : You have to prepare power-point presentation describing concisely your work. This power-point presentation will be used in your presentation to audience. It is expected, that you will perform max **10 minutes**. So try to present only the core of your problem with the help of texts as well as with the help of diagrams and related pictures if any (trees, curves, flowcharts and so on).

**First students will present their seminar work on 29.4.2016 during theoretical session at 7.40**

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**Name:**

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

**Questions which have to be firstly and concisely answered in the seminar work:**

- 1.) How would you apply CCPM and TOC tools (e.g. CRT=Current Reality Tree) for the planning of Your own dissertation work (writing the dissertation is in fact a project)? Can you name the main project risks? Do you know how to diminish (to reduce) these risk factors (to avoid obstacles)? Name at least 10 obstacles !!

Mind you, that this project includes not only a student himself (herself), but also mentor, books (resources, used hardware, ... other possibilities are listed below **in blue**)

Name set of UDE's (undesirable effects) -see TOC and Thinking Tools theory- related to find a subject of your work, to prepare yourself for creation of dissertation, chasing resources, planning time schedule, personal problems related to dissertation and so on.

**Comment :** To give you a greater flexibility, you can instead of the project of your dissertation use **other type of project** such as e.g. project of formation of your brand new start-up company. It will be fully upon you to determine what type of businesses and processes you will hypothetically use. Your predecessors have used project of formation of software house to create web sites pages, company selling airline tickets or they tried to solve problems of already exiting company of their parents exporting natural cosmetics from Greece. Some of them tried to establish business in the Czech Republic such as selling French Wines, small travel agencies and so on. As you can see, the core depends only on your imagination.

When specifying you concrete project you can use as a helping tool Balanced scorecard methodology (*will be presented probably on 15.4.2016*). Necessary knowledge used to control basic and core processes of newly established company, benefits for customers if processes will be correctly controlled and so on. **It could be used also in dissertation project, meaning e.g. what knowledge and skills you have to acquire, how to communicate with your mentor, how to write a dissertation taking into consideration its formal aspects, what type of methods will be applied in order to suggest some improvements and so on.**

**UDE examples :** *long project duration, projects overrun budget, projects deliver less than full scope, projects overrun schedule, projects have many changes, projects use resources ineffectively, to many conflicts among projects-capacity of resources are used up, bad interpersonal relationships, long reaction to requirements, improper evaluation of workers (employee), rigid legislation, competitors, ...*

- 2.) What kind of effects do you expect by possible using buffers (time buffers) during the working out of your thesis (dissertation or other chosen project)? Can you explain what is the time buffer. How you can measure a reached results (used metrics such as time, resource capacity, costs, good -will and so on).
- 3.) Can you specify by use of Thinking Process Tools Your personal bottleneck as far as studying processes or writing a work or working on assigned school tasks (by other tutors) is concerned? Create CRT (see full meaning above) and create a list of Undesirable Effects (named by You as it was mentioned already in clause 1)
- 4.) Create with use of already existing set of UDE's Ishikawa fishbone diagram and put some weights meaning numbers specifying an importance of assign reasons. It was clearly shows in Ishikawa FBD power-point presentation. Based on the set of assigned score create Pareto Lorenz curve. The principle is also show in just mentioned presentation. Specify most important reasons. Compare with root problem found by use of Current Reality Tree.
- 5.) State clearly Your suggestions how to improve Your dissertation writing ( or any other chosen project) and related benefits.

**GOOD LUCK !!!**