

Mater thesis opponent review

Student's name: Martina Lovecká MT opponent: Ing. Teresio Pirra Ac. year: 2008/2009

MT topic:

Optimization of semi finished goods and material flow monitoring in production of the company Oerlikon Graziano SpA

Assessment criteria:		Level of assessment according to ETCS					
		A 1	B 1,5	C 2	D 2,5	E 3	F 5
1	Difficulty of the thesis topic	X)					
2	Fulfillment of stated goals	X)					
3	Theoretical part of the thesis	X)					
4	Practical part of the thesis (Analytical part)	X)					
5	Practical part of the thesis (Introduction of solutions)		X)				
6	Level of formal correctness	X)					

Mark the evaluation criteria on the specific level of evaluation with **X**).

(Turn the page please, and continue the evaluation on the other side of the form.)

Overall assessment of the thesis and questions for defense part of final examination:

(The questions are given by both; the thesis supervisor and opponent.)

The master thesis deals with a difficult theme, which requests very good theoretical knowledge plus a good understanding of the company environment background in order to analyze the material and information flows objectively.

The theoretical part is very well detailed: it focus on logistics systems and principals on one hand, on the other hand whit the usability of information systems as tools for material flow and supply chain management. The theory gained from literary resources gives a good base for a successful fulfilling of specified goals of the master thesis.

Although the extended theoretical part, the student managed to focus on issues important for further practical usability without getting bogged down on irrelevant details showing a quite high theoretical knowledge.

The practical part was understandably the most hard because of the foreign environment and possible language barriers: For her work she had to cooperate actively with operators directly in production, to meet all methods used by the company and to identify all their strengths and weaknesses. Although the shop floor workers do not always have the awaited language skills, the student solved this basic communication problem flawlessly. In addition she was able to communicate with the workers in an open and constructive way, which proves also their participation on creating the SWOT analysis.

She also managed to cooperate with workers from different departments in order to show up the ineffectiveness, risks and additional costs linked with the current used tracking method.

As an advantage I would like to mention, the student didn't come up with solutions which would completely change the company's groovy methods and complicate the possible implementation of the project; on the contrary she was able to set her new proposals on now used documents and system making easier their possible implementation as well as worker training and the overall project in our plant. In addition I would also like to mention that she proposed a solution that does not unnecessarily waste the investment of the company, a very appreciable effort in nowadays hard times.

However, I see a possible disadvantage of the thesis in the complexity of the problematic which caused that the student might have also specified the possible software development and connection with main suppliers in the thesis more in detail. Unluckily extending the project of these topics would overreach the work frame of this master thesis.

Herewith I would like to highlight the way in which the student presented the results and findings of her work in front of the company management: All around the proposals of Ms. Lovecka were positively evaluated in the company with the possible usability also in other plants of Graziano group. At very last I would like to add that Ms. Lovecka is a team player that can cooperate with people, listen to them and process effectively her findings.

Questions:

1. Does the proposed system ensure also situations when in the end of a shift the worker finishes to manufacture just part of the bin and the rest of the bin needs to be done by another worker?
2. How did you prepare and organize the SWOT analysis?

The assessment proposal of the thesis: A - Excellent

In Zlín (date): 11 May 2009

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For assessing use this scope:

Grade scale:	A - Excellent	B – Very good	C - Good	D - Satisfactory
	E - Sufficient	F-Unsatisfactory		

If classifying with the grade (F), the presence of the evaluator is recommended.

Criteria assessment:

The ECTS grading scale used for assessment criteria:

ECTS Grade	Verbal Description	Numerical Grade
A	Excellent	1
B	Very good	1,50
C	Good	2
D	Satisfactory	2,50
E	Sufficient	3
F	Unsatisfactory	-

Mark the evaluation in specific criteria with the mark X.

Criterion 1: Evaluating the thesis topic

This criterion evaluates the originality of the chosen topic, it's concentration on field of study, difficulty of the solved problematic, demandingness on theoretical and practical information sources.

Criterion 2: Evaluation of fulfillment of stated goals

This criterion evaluates the fulfillment of stated goals based on their definition that has to be part of the preface of the mater thesis.

Criterion 3: Evaluation the theoretical part

The evaluation focuses mainly on choosing the theoretical discipline; their possible application on solving the topic, proportion of the knowledge gained from studies, specialized literature and further information sources research. The quotation method and level is also assessed. It is not allowed to present some knowing in the theoretical part without their usability in the practical part.

Criterion 4: Evaluation of the practical part of the thesis (Analytical part)

The analysis of given topic is being evaluated, the links with stated goals, usability of theoretical backgrounds for analysis of the problematic. During assessing it has to be taken in consideration following: the difficulty of gaining information, attitude of the student and his ability to make logical statement from the analysis as a starting point for the last part of the thesis which is giving solutions.

Criterion 5: Evaluation of the practical part of the thesis (Introduction of solutions)

The evaluation focuses on the level of subject problem solution, reaching the stated goals, link of the analytical part with the part of introducing solutions. Furthermore the logical structure of problem solution and eventually assumptions of its verification is being assessed. The criterion 5 evaluates the overall cohesion of the theoretical and practical part of the thesis.

Criterion 6: Evaluation of the level of formal correctness

The grammatical level is being assessed as well as chosen formulations and overall level of expression. It is evaluated the adherence to the Directive of the Rector of UTB about unified form of academic qualification works and the ČSN norm dealing about documentation processed in test editors.

If the thesis supervisor or opponent propose the grade (F) for any criteria of assessment, all the thesis will be evaluated with this grade.