**Exam questions by topic**

Project management (master level)

THEORY

**Basics of project management**

Definition of the project, project characteristics, role of the project in the corporate strategy

The project life-cycle

Project maturity models

**The organizational context of PM**

Stakeholder management

Compare the functional and the project organization as a context for projects

Compare the matrix and the heavyweight project organization as a context for projects

The project management office

**Project selection, Portfolio management**

The checklist model, the simplified scoring model, the analytic hierarchy process and the profile model

The strait payback period, the net present value ant the IRR

Project portfolio management

**The role of leadership in PM, Cooperation & conflicts**

Leader role of a project manager, the effective project leader

The project champion

**Scope Management**

Scope management: definition, goals, stages

Work breakdown structure

**Risk management**

Definitions of risk and risk management, stages of risk management

Project risk scoring

Risk mitigation strategies

**Cost estimation and budgeting**

Cost estimation and its methods

Activity based costing

Cost variances

**Critical chain project scheduling**

Theory of constraints

Wasting Extra Safety Margin

Critical Chain Method

**Resource management**

Definitions of resources and loading

**Project evaluation and control**

S-curve and tracking Gantt chart

**Project closeout and termination**

Ways of project termination

PRACTICE

**Earned Value analysis (= cost control)**

**AoA analysis**

**AoN analysis**

**Resource loading any leveling**

*In the exam there will be 2 theoretical questions and one practical for the international students*

*1 theoretical and one practical for the Hungarians*