

Topic	Questions
Basics of PM	What is project management? Describe the project constraints!
	Introduce some systems and standards regarding to project management!
	Introduce the life-cycle of a project (phases, sequence, processes)! Use diagrams!
	Introduce the 9 knowledge areas of the project management according to PMBOK Guide!
Construction project management, Participants of the construction	Who are the direct and indirect involved participants of a construction project?
	What is a project (definition, brief description)?
	Introduce the phases of a construction project (5 and 7 phases)!
	Introduce the activities of the project preparation period!
	Introduce the system of means!
	Define the form task and role of the client and the PM office!
	Define the form task and role of the designer architect and the co-operative designers!
	Define the form task and role of the contractor and sub-contractors!
	Define the form task and role of the quality surveyor!
Project phases I.	What is the content of a feasibility study?
	Introduce the different types of construction projects regarding to scale, cost and time!
	What are the tasks of the organizer and the jury in case of an architectural competition?
	What is the content of the announcement of an architectural competition (detailed program, necessary information, annexes)?
Project phases II.	What are the characteristics of the traditional and the turnkey procurement method? Use figures!
	What types of management can be in a construction project? What are the characteristics of the management type procurement methods?
	Introduce the methods of selecting the contractor (including the types of public procurement)!
	Introduce the process of tendering!
	What are the MAIN steps in the public procurement process? What are the main differences between public procurement and private tenders?
	What kind of contracts can be used in the construction industry? Write a short explanation to each!
	What are the most important tasks in supervising the construction? What should be controlled during the construction process?
PM in construction industry	What are the main characteristics of a construction project?
	Introduce the 4 knowledge areas of the construction project management according to PMBOK Guide!
	How to measure progress in construction PM? List the methods (5), introduce one method! (Milestone based measuring)
	Introduce the key values and the most commonly used measures in earned value analysis (use diagram as well)!
	What does project risk management contain?
	Describe the tasks of risk assessment! What are the information sources (inputs)?

Time planning - Scheduling	Introduce the process of time planning! Write a list or draw a flow chart.
	Introduce the basic elements of MPM network diagrams!
	Explain why to use networks in scheduling, and why, when and how to modify a network!
	Introduce the aims and purposes of scheduling, and the types of schedules used in construction projects!
	What are basic information in time planning?
	List the schedule representations (at least 4)! Introduce one in detail!
	What is the main difference between MPM and CPM network planning? Introduce the basic elements of AON networks!
	What is the difference between bar charts and cyclograms?
Cost estimation, Budgeting	What cost estimation/calculation activities are to be applied in the different phases of the construction project?
	What are the differences between the analytic and the synthetic methods of cost estimation?
	What are the main cost groups of the DIN276 standard?
	What is a cost norm? What are the sources of cost norms? How do you apply it? Give an example!
Post occupancy evaluation	Describe the traditional and advanced/modern methods of the post-occupancy evaluation!
	What are the short, mid- and long term advantages of the post-occupancy evaluations!
	Describe the three phases of the procedure of post-occupancy evaluations!
	What are the aspects to be analysed in frame of a post-occupancy evaluation? What are the questions to be answered?
BIM	What is building information modelling?
	What are the advantages of BIM in contrast with traditional way of project management?
	What is IFC? What is open BIM?
	Introduce 4D (time management) and 5D (cost management) in case of a BIM system!
	What is big BIM and small BIM?