

T-86.5141 Enterprise Systems Architecture (4), Exam 09.03.2009

Write in every paper the following information:

- T-86.5141 Enterprise Systems Architecture, Exam 09.03.2009
- Family name, first names
- Student ID
- Department
- Signature

1. List and describe the four maturity stages of IT architecture (4p). Discuss why skipping stages should not be done (2p). (6p)
2. List and describe the different Enterprise Application Integration topologies (3p). What are typical layers of an application integration stack? (3p).
3. a) List and briefly describe the Enterprise Content Management (ECM) basic components according to AIIM definition (3p).

b) Explain the concepts of Data Warehouse and Dimensional Modeling (3p).
4. Describe shortly the following terms. (6p.)
 - a) ETL (Extract, Transform, Load)
 - b) ERP (Enterprise Resource Planning system)
 - c) TOGAF (The Open Group Architecture Framework)
 - d) ESB (Enterprise Service Bus)
 - e) IT Governance
 - f) MDM (Master Data Management)