

## t.IPA - Informatics for Professional Users

**Person responsible for the course:** Eduard Mumprecht, mpre

**Credits:** 4

**Valid for:** 2009/2010

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### Learning objectives:

Overview of current architecture, components and interworkings of common IT elements in a professional environment.

This should enable the students to participate with competence in planning and deployment processes if IT infrastructure and applications.

Domain-specific applications are not subject of this course.

### Course content:

- Organisation and setup of an intranet encompassing standard protocols and services (DHCP, DNS, NS Active Directory, LDAP, etc.), client/server setup.
- e-Mail: the complete picture(SMTP, POP, IMAP, MIME, etc.): characteristics of different solutions to providing a professional e-Mail service.
- Application architectures (n-tier, Web-Apps, Middleware).
- Database systems (entity-relationship modeling, SQL).
- Network security: applied cryptography (public key systems) for e-Mail, documents and web servers.

### Previous knowledge:

User proficiency with computer, operating system, applications, data handling and Internet.

### Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14x2L
Tutorial/Practicum	7x4L
Group teaching	
Block instruction	
Seminar	

### Assessment:

According to the table or as specified in writing by the lecture at the beginning of the semester!

Number	Type	Weighting
1	Final Exam	80%
1	Lab Report	20%
	Further assessments	

### Language of instruction:

Deutsch

**Instruction material:**

Lecture materials plus secondary literature/links,  
detailed guide to lab assignments.

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**Comments:**

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