

## t.ISE - Intranet Services

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<b>Person responsible for the course:</b>	Pietro Brossi, brpi
<b>Responsible OU:</b>	InIT
<b>ECTS:</b>	4
<b>Valid for:</b>	2012/2013
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### Expertise:

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### Methodological skills:

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### Social skills:

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### Personal skills:

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### Learning objectives:

Students understand the basic concept of services and protocols, used in TCP/IP-based networks.  
Students know related dependencies between these services and can configure them in a mixed Windows/Linux environment.

Students are able to plan, build and implement basic Intranet services on these platforms, can activate and configure related user authentication & access rights and related application services.

### Course content:

Protocols and services in the area of TCP/IP  
Network addressing and naming services (DHCP, DNS)  
Directory services (LDAP, ADS, X.500)

User administration/authentication  
Cross platform directory services Linux/Windows  
Application services (Web, e-Mail, Messaging, File-Sharing, Printing)

Internet connectivity (firewall, proxy, virus protection)  
Remote-access (SSH, Terminal Server, VPN) [except cryptographic aspects]

Planning/organization of heterogeneous/large systems

### Practical work/lab exercises:

Configuration of a complete intranet environment (Servers and Clients) with a combination of Windows & Linux based systems offering the above described combination of services and functions. Cross-platform interoperability between Windows and Linux systems.

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**Previous knowledge:**

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**Teaching method:**

Type of lesson:	Number of lessons per week:
Lecture	14*2L
Tutorial/Practicum	7*4L (in small teams of 3-4 students)
Block instruction	

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**Assessment:**

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

description	type	form	scope	assessment	weighting
Performance records during school hours					
Semester end exam					

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**Language of instruction:**

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**Instruction material:**

Vorlesungsmaterialien,  
da enthaltene Hinweise auf weitere Quellen.

Books & list of literature can be found on the ISE-Webserver  
<http://waikiki.zhaw.ch>

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**Additional literature:**

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**Comments:**

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