# Teaching and learning development support services at HUT

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# Human support for infrastructure

Tony Bates 2000

- **Technology infrastructure staff:** ensure that the networks and equipment are operated, installed, updated, and maintained

- **Educational technology support staff:** support the creation and application of educational materials and programs using technology (interface designers, graphic designers, videoconferencing managers)

- **Instructional design staff:** provide educational services and expertice, support the use of technology for teaching and learning (instructional design, faculty development, project management, evaluation)

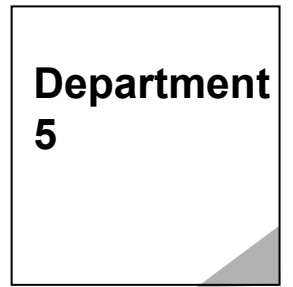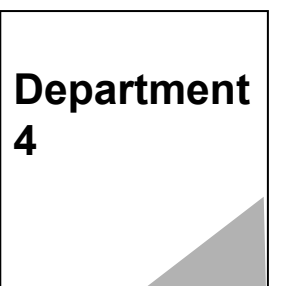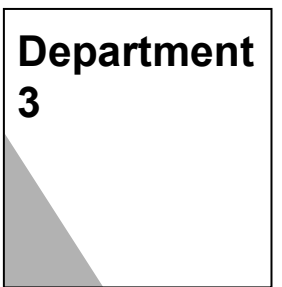- **Subject experts:** create the content and provide the teaching

# Background

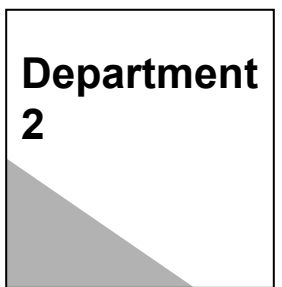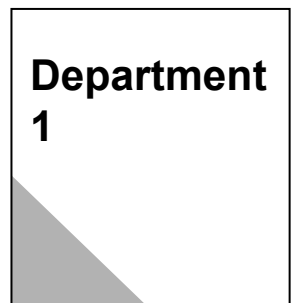- Research university culture: loose coalition of autonomous actors

- Research: traditions of collective discussion and critics, cumulative knowledge

- Teaching: still tradition of the classic university existing: teaching is the individual activity of the teacher, the master

- Predominant teaching methods of HUT courses: lectures, problem-solving exercises, individual or group design work or laboratory work

# HUT steps of action

- Some centrally lead actions taken appr. every 5 years: mainly projects
- "The Virtual Campus" information management strategy 1997
- Study Affairs Committee focus on developing teaching 1998-2000
- Towards Virtual HUT project, an umbrella for the ICT in teaching demonstration and development work in autumn 1998
- Setting up a support network for teaching and learning in fall 1999, launched in spring 2000
  - promoted by a team of experts (Teaching and Learning Development Unit)
- Virtual HUT - project spring 2001 (under the framework of Finnish Virtual University)
- Undergraduate education strategy 2001
- Information strategy 2003
- Implementation of Bologna two-cylce structure + ECTS 2005
- Preparing for autit of quality assurance system 2006→
- Audit 2007

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2000

Department 1

Department 2

Department 3

Department 4

Department 5

Companies
Finnish Virtual University
Strategic alliances
etc.

**Teaching and learning development**

Virtual HUT

Team

Study Affairs

Curriculum Degelopment working group

New forms of support

HUT Channel

Library

Information Management

Personnel Training

*Support for distributed teaching and learning*

Computing Centre

Academic Affairs

Student Union

Otaverkko

Innovation Centre

International Affairs

HUT Dipoli

Mediapoli

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20.4.2006

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# Financing of the development work of departments, laboratories

- Training programmes for free (financed by the rector)
- Grants for development projects
  - On departmental level
  - On laboratory, teacher level
- Centres of excellence
  - Nominated by the university
  - Nominated by the FINHEEC
- Consultation
- Development project support, facilitation

# Ideas behind the services Teaching and Learning Development

- Goals of the teachers and the laboratories are the basis

- Providing forums to develop own teaching (it is a process, requires time!)

- Providing forums for exchanging experiences

- Spokesman: collects experiences and ideas for development and strategic decisions at the university level

- Quick reacting

- Information service

- Participates as an expert in strategy + central development work

# Services of Teaching and Learning Development

- **Training of teaching staff**
  - Higher Education Pedagogy programme (20 ECTS)
  - Myself as a Teacher (5 ECTS)
  - Tutoring
  - Workshops on "hot" topics
- **Tailored trainings and workshops for departments, special interest groups**
- **Study skills courses, services**
- **Information service www.dipoli.tkk.fi/ok**
- **Expert work in committees, internal + national projects**

- **Support for Virtual Learning Environment (separate project funding)**
  - 0,5 FTE for eTKK (MLE of HUT)

# Program on Higher Education Pedagogy for HUT teachers (20 cr)

Spring ——————— Fall

**Myself as a teacher:**
- Teaching + Learning
+ Teaching (5 cr)

Teacher's Professional Development (5 cr)

Development Project for Own Teaching (7 cr)

Study Module on Higher Education in Varying Fields (3 cr)
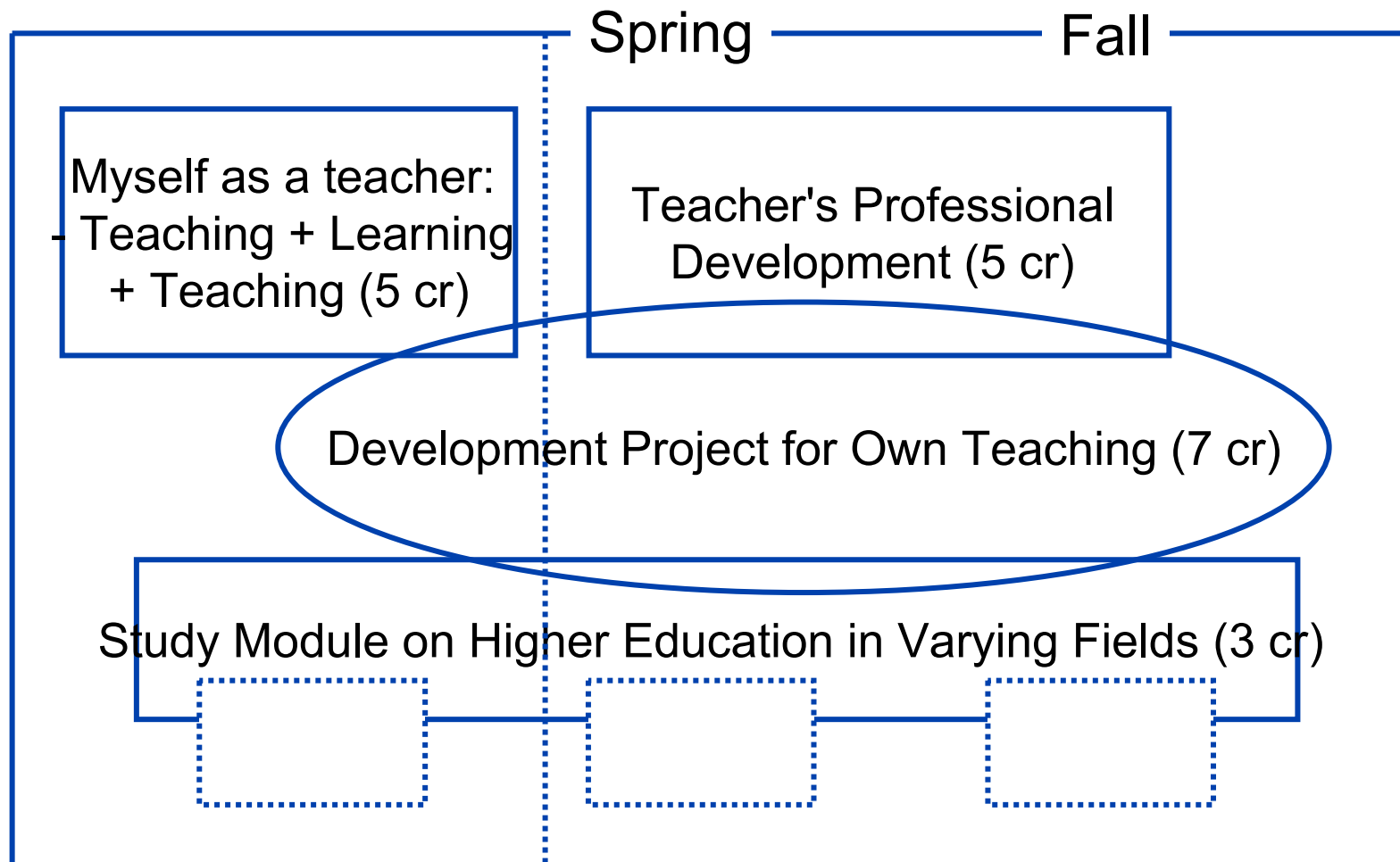
# Tailored training



January   February   March   April   May   June

**Laboratory**

**Team level**

**Group**

Application writing for centre of excellence in teaching
Unit development days etc..

Thermes

Themes

Course feedback session 3h

Thermes

Laboratory's teaching development day 3h

Themes

Course workshop 3 x 3 h

**Course**

**Individual**

Active marketing of
- Myself as a teacher: - Teaching + Learning + Teaching (5 cr)
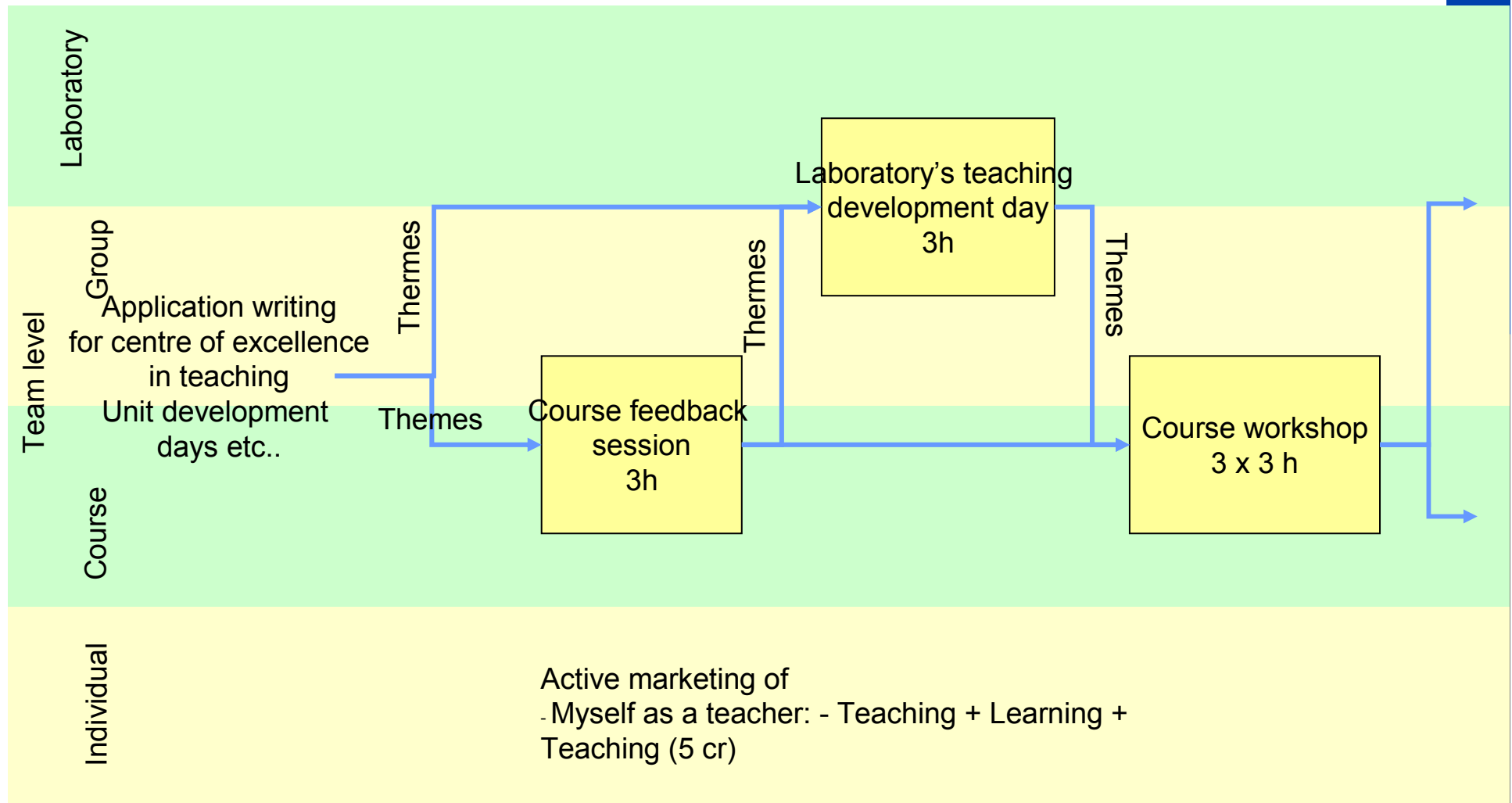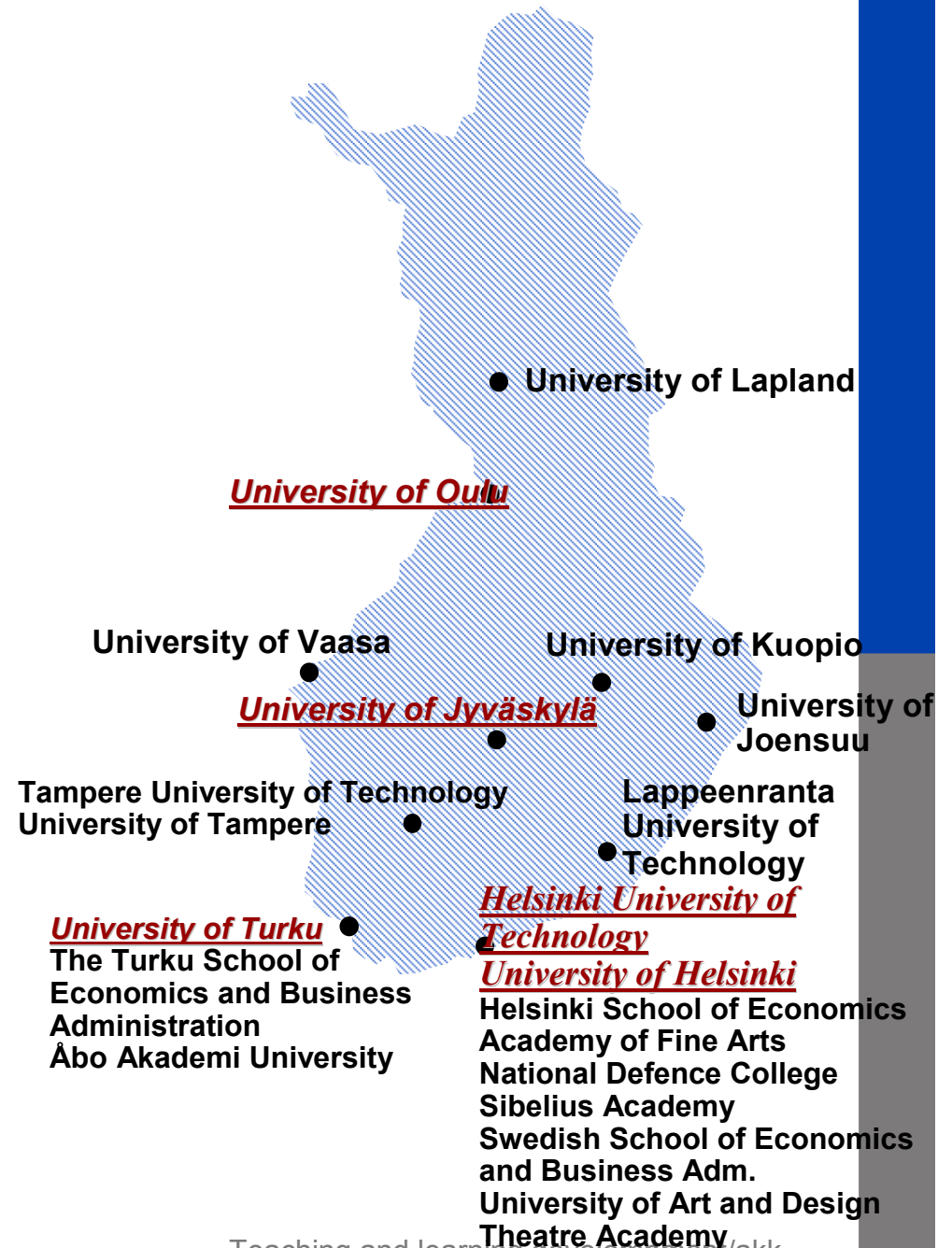
# TieVie project

- A support service project in the framework of Finnish Virtual University

- Supporting the university teachers by providing national training programmes on ICT in teaching and learning

- A networked project by 5 universities ($\rightarrow$ the Planning group of the training)

- Financed by the Ministry of Education (2001 – 2006, continuation ???)

# TieVie community

- Participants in programmes
  (5 credits + 10 credits)
  - » 2001 – 2002 (200 + 60 participants)
  - » 2002 – 2003 (160 + 80 participants)
  - » 2003 – 2004 (120 + 93 participants)
  - » 2004 – 2005 (120 + 104 participants)
  - » 2005 – 2006 (100 + 100 participants)
  - » over **1100** participants so far
    (spring 2006)
- Planning group (2-3 persons
  from each partner university)
- TieVie contact persons in all
  universities (21 persons)
- Trainers, tutors, lecturers in
  seminars, material producers

**University of Lapland**

*University of Oulu*

**University of Vaasa**        **University of Kuopio**

*University of Jyväskylä*        **University of Joensuu**

**Tampere University of Technology**
**University of Tampere**

**Lappeenranta University of Technology**

*University of Turku*
**The Turku School of Economics and Business Administration**
**Åbo Akademi University**

*Helsinki University of Technology*
*University of Helsinki*
**Helsinki School of Economics**
**Academy of Fine Arts**
**National Defence College**
**Sibelius Academy**
**Swedish School of Economics and Business Adm.**
**University of Art and Design**
**Theatre Academy**

Teaching and learning development/akk

# 2000: National framework for Teacher Training Projects

**OPE.FI III level**:
About 10 % of the teachers must master a specialised knowledge of ICTcontent specific and professional applications, institutional information management, an ability to assist, support and train colleagues, develop the school community, act a part of an expert network.

**OPE.FI II level**:
Half of the teachers must master the skills using ICT in educational purposes; a versatile use of the e-mail, the web-environment and pedagogic applications and digital learning material available in the subject and the knowledge of principles of producing digital learning material

**OPE.FI I level** :
Every teacher must master the basic skills of using ICT; Common use of a computer, mastery of word processing, Internet browser and e-mail, understanding the principles of educational uses of ICT.

# 2006: TieVie framework for Teacher Training

**"OPE.FI IV level"**:
Networking and other new forms of work in knowledge society
Quality issues, organisational issues
**ICT supported university→ ICT integrated to the study process**

**OPE.FI III level**:
Teachers master a specialised knowledge of ICTcontent specific and professional applications, institutional information management, an ability to assist, support and train colleagues, develop the school community, act a part of an expert network.

**OPE.FI II level**:
Teachers master the skills using ICT in educational purposes
→ learning resources for local training

**OPE.FI I level** :
Embedded ICT skills

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