

## Continuing Education **CAS Leadership Science**



### **Course objectives**

The demands placed on managers in the scientific environment are becoming increasingly complex and challenging. This two-part modular course is aimed at people with managerial responsibilities in scientific environments, whether in their role as project managers or as direct line managers. Supervised by tutors who are themselves experienced managers, you will expand your professionalism in leadership and communication.

Course participants can improve their knowledge through an analysis project in their own company and learn to apply the acquired skills in their professional environment.

### **Target audience**

People with leadership and management responsibilities in scientific environments and/or at research institutions, who are prepared to critique their everyday actions and discuss their own strengths and weaknesses in a bid to develop their personality and professionalism.

### **Benefits**

Part 1 (Basic) 6 days

You are aware of your personal strengths/weaknesses and utilise your skills in a targeted way. As a leader, you have room for manoeuvre as you implement the strategy of a scientific institution.

Part 2 (CAS) 6 days

You learn to use changes/adjustments skilfully (change management) and gain familiarity with methods such as the 'morphological box', cause-effect diagram and direttissima approach. In addition, you professionalise your presentation technique and self-presentation skills.

### **Contents**

#### Part 1 (Basic)

- BIP test with personalised feedback
- Role of one's own behaviour patterns in the scientific/technical environment
- Coping with stress
- Motivation and conflicts
- Team supervision

#### Part 2 (CAS)

- Change management
- Tools for personal use
- Innovation management
- Presentation technique and self-presentation skills

<b>Thematic blocks</b>	<p><b>Leadership and self-management (Part 1)</b></p> <ul style="list-style-type: none"> <li>• BIP test</li> <li>• History and principles of leadership</li> <li>• Role of old models, lean management</li> <li>• Importance of self-esteem in the technical environment / motivation / qualification</li> <li>• Recognising your own behaviour patterns</li> <li>• Developing your own strengths</li> <li>• Time management / stress</li> <li>• Professional vs. social skills</li> </ul> <p><b>Communication (Part 1)</b></p> <ul style="list-style-type: none"> <li>• Applied communication theories</li> <li>• Metacommunication</li> <li>• Communication in solving technical challenges</li> <li>• Leading meetings in the creative development process of technical systems</li> <li>• Gender and diversity</li> </ul> <p><b>Change management / self-presentation skills (Part 2)</b></p> <ul style="list-style-type: none"> <li>• Dealing with resistance to change</li> <li>• Change management at the intersection of day-to-day operations and innovation</li> <li>• Presentation of technical systems / self-presentation skills</li> <li>• Tools for creative processes</li> <li>• Analysis of the culture in a technical organisation / case studies</li> </ul>
<b>Qualification</b>	Part 1: Course credentials – "Leadership in Science", FHNW-PSI Parts 1+2: Certificate: "CAS FHNW Leadership in Science" (10 ECTS)
<b>Requirements</b>	To be able to complete the CAS part, a university degree or a higher vocational education degree is required.
<b>Course fee</b>	Part 1 (Basic) CHF 3000 / Part 2 (CAS) CHF 2500
<b>Course venue</b>	Brugg-Windisch Campus

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## Contact and registration

<b>Personal consultation</b>	Martin Hüsler, Philipp Hediger (Co-course management) martin.huesler@fhnw.ch, philipp.hediger@psi.ch
<b>Administration</b>	Queries regarding registration and admission: Gabriella Gerber, +41 56 202 99 55, gabriella.gerber@fhnw.ch
<b>Registration</b>	A limited number of participants can register for this programme. Registrations are considered on a first come, first served basis.
<b>Address</b>	FHNW School of Engineering Continuing Education Office Klosterzelgstrasse 2 5210 Windisch
<b>Web</b>	<a href="http://www.fhnw.ch/wbt/cas/ls">www.fhnw.ch/wbt/cas/ls</a>