

## ICAS-Affiliations

The International Center for Advanced Studies in Health Sciences and Services (ICAS) is a division of the Faculty of Medicine of the University of Ulm and cooperates closely with the Academy for Science, Industry and Technology, which is affiliated to the University of Ulm in the area of offering continuing education opportunities. The faculty of each ICAS training course will be composed of experts not only from the University of Ulm but also from other institutions around the world.

ICAS cooperates closely with the Headquarters of the World Health Organization in Geneva as well as the Regional Offices around the world. Furthermore, there is a continuing corporation with the Commission of the European Communities. Important linkages have been established to appropriate partners in medical technology and pharmaceutical industry.

The International Advisory Panel of ICAS consists of senior scientists, academicians and public health officers from cooperating national as well as international institutions.



Schloss Reisensburg –  
the Science Conference Center of the University of Ulm

**ICAS – Chances for Advanced Training in Health Sciences and Services**

## Contact Points

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## Structure and Organization

The ICAS-Secretariat is responsible for coordinating and organizing courses and their modules in close cooperation with the course faculty and in cooperation with the Academy for Science, Industry and Technology.

Some courses will be conducted in the facilities of the University of Ulm with the participants being accommodated in appropriately priced hotels in the city of Ulm. Other courses will be held at the Science Conference Center Schloss Reisensburg of the University of Ulm (in Günzburg near Ulm) in combination with the laboratory facilities of the University.

## International Center

**for Advanced Studies  
in Health Sciences  
and Services (ICAS)**



A Division of the Faculty of  
Medicine of the University  
of Ulm



and in cooperation with the  
Academy for Science, Industry  
and Technology at the  
University of Ulm

## Concept

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The current reconfiguration and expansion of the European Union (EU) offers a historic opportunity to promote cooperative and integrative efforts across the “greater Europe”, especially in professional capacity building. Furthermore, need for advancing leadership training in emerging fields of new diagnostic and therapeutic tools in many parts of the world was the reason to establish the International Center for Advanced Studies in Health Sciences and Services and to initiate advanced training courses for medical personnel not only from the European Community but from any country in the world.

## Scope and Purpose

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The overall aim of ICAS is to stimulate cooperation between health care institutions worldwide and promote health care capacities by sharing scientific knowledge, transfer of state-of-the-art clinical technologies, and utilization of methodologies appropriate to differing situations and unmet needs.

## Rationale

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Preliminary assessments have shown that there are unmet needs not only in terms of physical facilities but also with respect to the scientific and technical knowledge necessary to make use of innovations in diagnostic and therapeutic actions including standardization of techniques, quality assurance, as well as state-of-the-art information and communication technologies including approaches for clinical and basic medical research. The focus of ICAS will therefore be on training in terms of problem-oriented and system-based approaches to diagnosis and treatment.

## Areas of Expertise

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The following areas will receive special attention: cardiovascular diseases, dentistry, dermatology and allergology, diagnostic radiology, emergency medicine and surgery, epidemiology, gynaecology, gastroenterology, haematology, hospital hygiene, infectious diseases and tropical medicine, laboratory medicine, laser technology, medical informatics and telematics, microbiology and virology, neurology, neurosurgery, oncology, ophthalmology, orthopedics, paediatrics, pharmacology, radiation medicine, transfusion medicine and urology. Additional subjects will be identified according to needs.

## Methods and Approaches

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The programme of ICAS training courses will provide participants with newer information on scientific and technical aspects of quality health care delivery and problem-analysis, and maintain an ongoing network among the participants and relevant institutions for continuing education and sharing of knowledge and experience, using modern communication technologies.

The courses are to be structured in three phases:

- The pre-course phase: applicants will receive in advance information about the course programme. Upon registration, participants will get access to preparatory training material and technical documentation in order to prepare the participation in these “training of trainer”-activities based on professional experience.
- The courses themselves will be conducted as „hands-on“ as possible to demonstrate the medical approaches used and to allow the trainees to familiarize themselves with new techniques and concepts.
- The post-course phase: Upon return to their home base, participants may wish to maintain access to ICAS. It is envisaged to develop interactive expert networks, on-line discussion groups, electronic bulletin board systems (BBS), newsletters, update material, teleconferencing, teleconsultation and teleteaching (on demand).

## Course Content

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The courses offered will include health and medical subjects at a high scientific and technical level. Drawing on the expertise available at the University of Ulm and other collaborative and/or affiliated institutes, supplemented with specialized extramural expertise from medical technology or pharmaceutical industries, emphasis will be not only on what the modern technologies have to offer, but also on future trends, problems and transdisciplinary implications. In addition to specialities in major clinical domains, the courses will include, either as self-contained topics or as themes cutting across other topics, subjects such as epidemiology, research methodology, economic analysis, and health system evaluation.

## Certification and Course Credit

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A formal certificate of course completion will be issued by the Faculty of Medicine, University of Ulm. ICAS is accredited by the European Accreditation Council for Continuing Medical Education (EACCME), an institution of the European Union of Medical Specialists (UEMS), ([www.uems.be](http://www.uems.be)). Each course is awarded a certain number of credit points according to the EACCME regulations. EACCME credits are recognized by the American Medical Association towards the Physician's Recognition Award (PRA).



Clinical videoconference between the University of Ulm and the Ural Research Center for Radiation Medicine in Chelyabinsk (Russia).