



universität
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For Physicians
and Scientists

Master Online Advanced Oncology

Unique curriculum preparing for leadership tasks in oncology

Study part-time – team up internationally!

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Master Online Advances Oncology For Excellence in Cancer Care Worldwide

There is a growing global demand for academic continuing education of physicians and scientists working in oncology. This comprises also aspects of patient management, standardization of treatment procedures as well as expertise in the performance of clinical trials and cooperation with international companies. Ulm University has established a unique study program addressing these needs.



Prof. Dr. Thomas Wirth
Dean of the Medical Faculty,
Ulm University

The Master Online Study Program Advanced Oncology adds to the international visibility of our faculty and it helps to create an international network of experts around the world.

Prof. Dr. Stephan Stilgenbauer
Medical Director of the
Comprehensive Cancer Center Ulm

The Comprehensive Cancer Center in Ulm is one out of fifteen Centers of Excellence in oncology in Germany. This Master Online Program is an important pillar in its educational program.



What We Offer

International 2-year-part-time Master's degree

The Master Online Study Program Advanced Oncology is taught in English and brings together colleagues from all over the world.

Unique combination of multidisciplinary contents

The curriculum includes interdisciplinary oncology, clinical research and advanced therapies of site-specific cancers and operating practice in health management.

Intensive supervision and support-concept

We are providing individual support to integrate the study workload into your daily working life. To this end, individual contacts will be at your disposal to answer administrative, organizational, technical and lecture-related questions.

Self-paced distance learning and blended-learning concept

The modulated time schedule allows for flexible and location independent learning. Traditional e-learning concepts are combined with online learning events and face-to-face seminars in order to support problem-based and collaborative learning.

High scientific and clinical quality

Renowned international experts and organizations provide a high quality e-learning program.

Additional certificates

Participants will receive credit points of continuing medical education by the State Chamber of Physicians (LÄK in Germany) and the Certificate of Good Clinical Practice (GCP).

Education in an exclusive learning atmosphere

Online and attendance seminars in small groups in a close discourse with the experts is our understanding of modern, learner-oriented postgraduate education. Ville Eberhardt, the main venue of our attendance seminars, provides the perfect retreat for a close get-together of scholars and lecturers.

Additional skill acquisition

Professional presentation workshop and communication training.

Personal coaching

Our personal coach is at your disposal for solution-oriented handling of particular challenges.

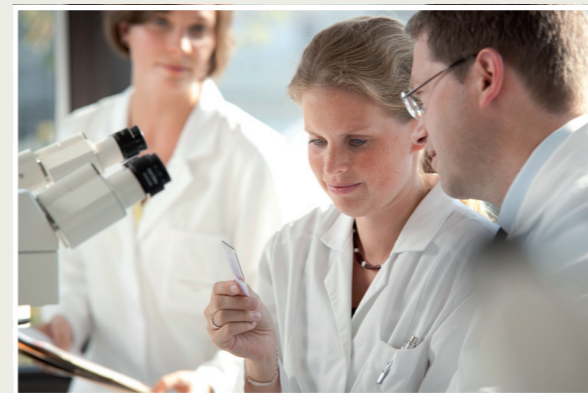
What You Gain

Successful completion of the program

Leads to the academic degree of Master of Science (M.Sc.).

Qualifies for leading positions in hospitals, cancer centers, the pharmaceutical industry and academic or health care companies.

Provides the opportunity to become part of an international network of professionals and leaders in the field of oncology.



The program is tailored for graduates in human medicine (ideally, but not exclusively, practicing oncologists) or natural sciences (scientists of the pharmaceutical industry, research institutions) with professional experience in oncology (for details on eligibility requirements see page 14).

Attendance Seminars

Face-to-Face Seminars

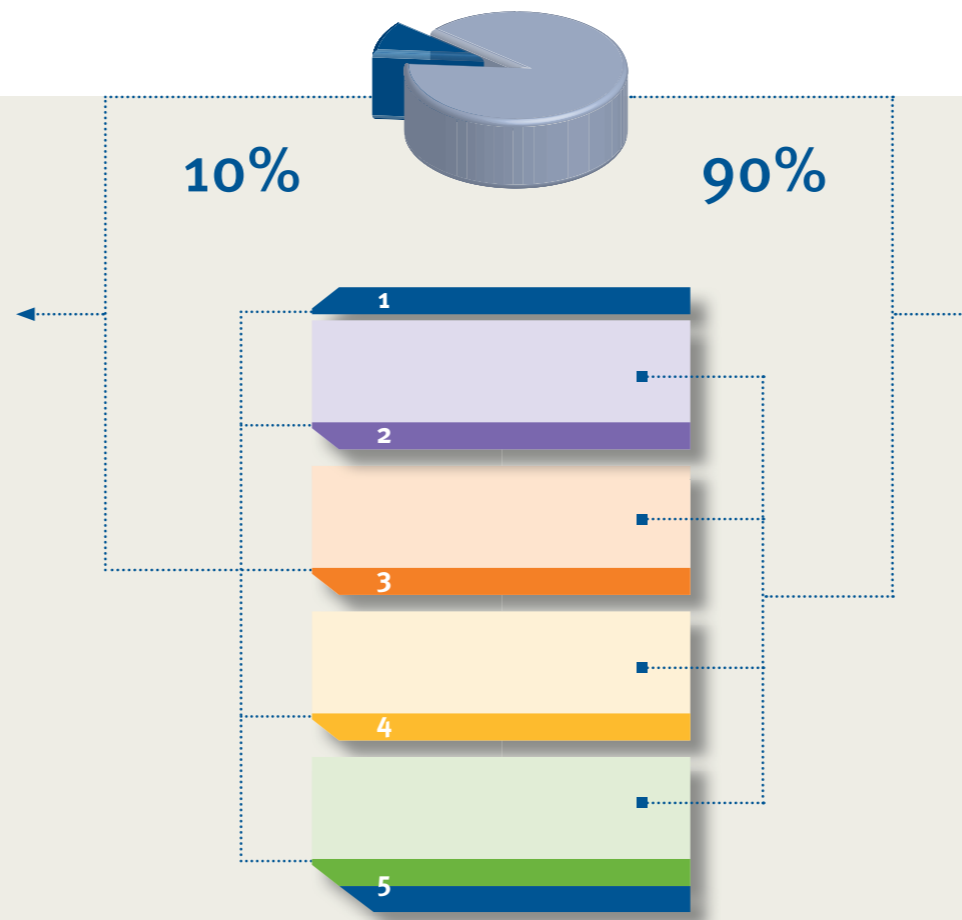
Participation in the five attendance seminars is a mandatory prerequisite for successful completion of the study program. While the first seminar includes formal enrollment, the other four seminars include the module exams which also require appearance in person.

Four out of five attendance seminars will be held at the university's own seminar center »Villa Eberhardt« .

In addition to scientific workshops and soft skill training, the attendance seminars provide the platform for creating international cooperation and networks to improve cancer care worldwide.

Contents

- Scientific seminars and workshops
- Examinations
- Exchange among students
- Establishing contacts and networking
- Visit of cooperation partners
- Module evaluation
- Communication and presentation workshop
- Personal coaching, if desired



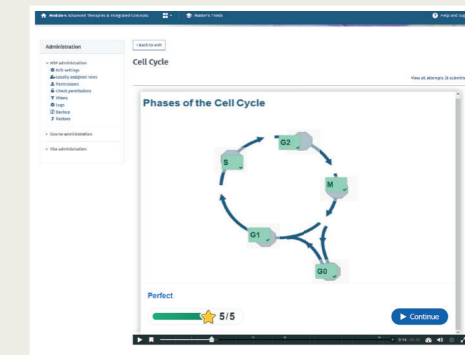
Online Phases

e-Learning Platform

The four online modules are divided into separate courses. Approximately 150 experts in the fields of oncology and management share their knowledge in about 130 learning units. The e-learning approach offers flexible time and location independent learning, since lectures may be viewed any time at convenience simply by entering the learning platform. This allows self-paced studying in order to combine work, family and advanced training. The structure of each unit is consistent and provides everything you need to learn the unit contents successfully. Tools to communicate with the lecturers complete the didactical concept of our learning philosophy.

Contents

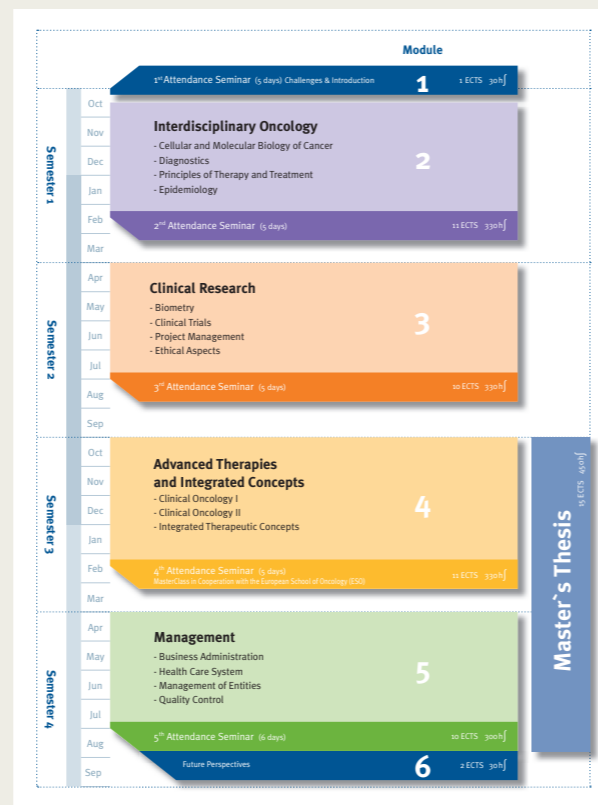
- High quality video lectures
 - enriched with interactive elements
 - continuously evaluated and updated
- Review articles summarize the most important facts
- Additional papers, research reports and links for in-depth study
- Self-assessment tests
- Communication tools
- Lecture evaluation



Module Guide

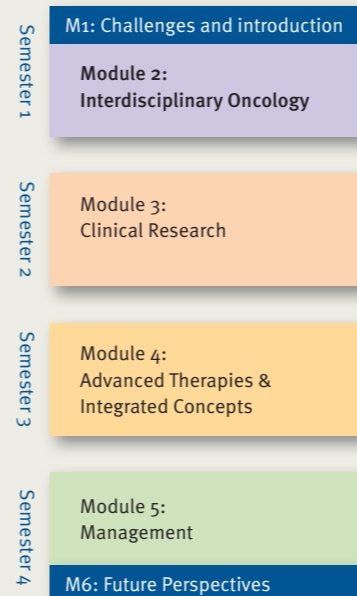
The modular composition of the postgraduate study program is pursuing competency development in diagnosis and treatment, in the performance of clinical trials as well as in leadership tasks in cancer centers.

Integrated attendance seminars allow the exchange with renowned international experts. Furthermore, joint activities with international professional societies, organizations and experts support the quality of this endeavor. In this sense, contractual cooperation has been entered with the European School of Oncology (ESO), Italy.



Module 2: Interdisciplinary Oncology

The curriculum of Module 2 is divided into four courses:



Course 2.1 **Cellular and molecular biology of cancer** is focusing on recently discovered key aspects of translational research. The units vary from gene structure to cancer stem cells representing the broad spectrum of knowledge in cancerogenesis.

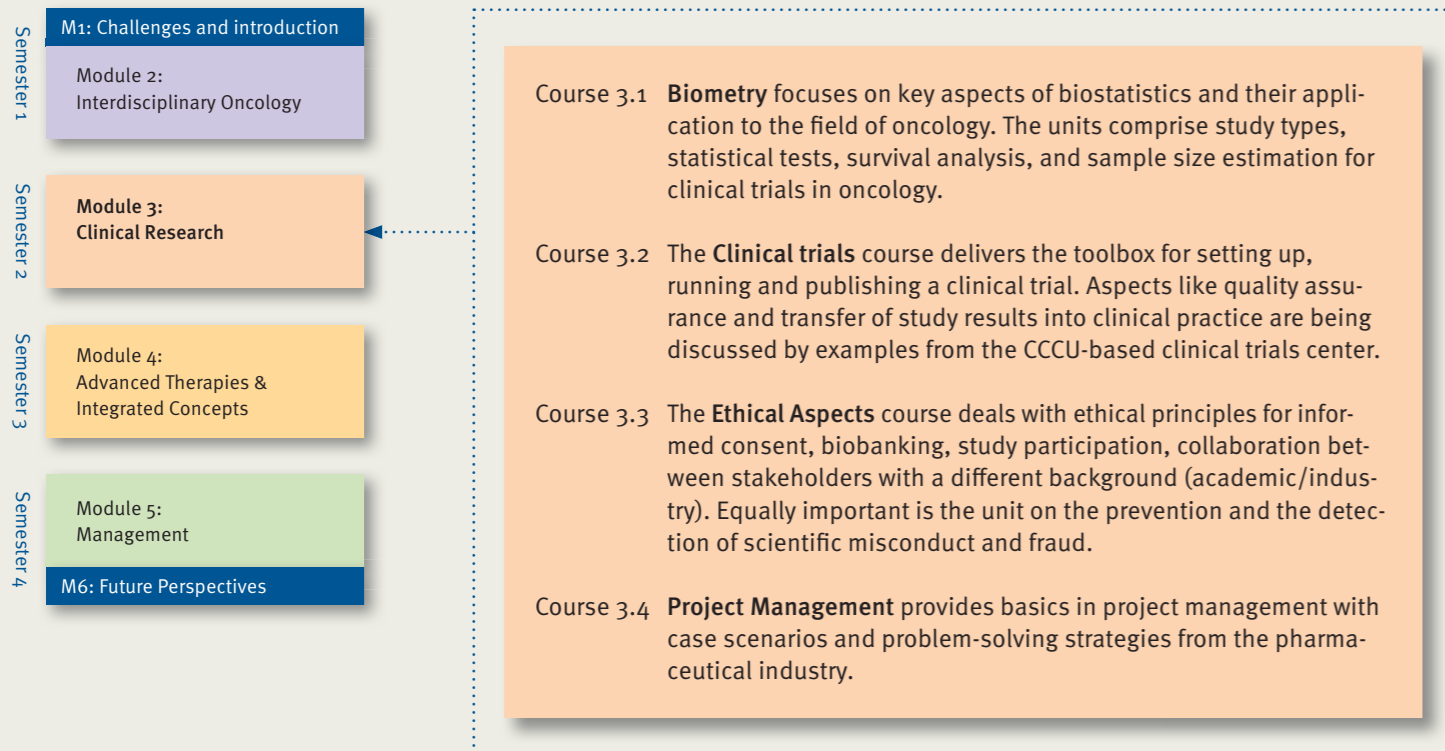
Course 2.2 **Diagnostics** is summarizing all modern tools used for the work-up of a cancer patient. Benefits and limitations of imaging techniques including molecular diagnostics are being discussed by means of case-based scenarios.

Course 2.3 **Principles of Therapy** is highlighting treatment options in oncology ranging from surgery to targeted therapy. Interdisciplinary cooperation among the different competencies is being elaborated.

Course 2.4 **Epidemiology** is giving an overview on cancer statistics and cancer etiology. Epidemiological methods are being discussed and will establish a direct connection to the subsequent semester focusing on **Clinical Research**.

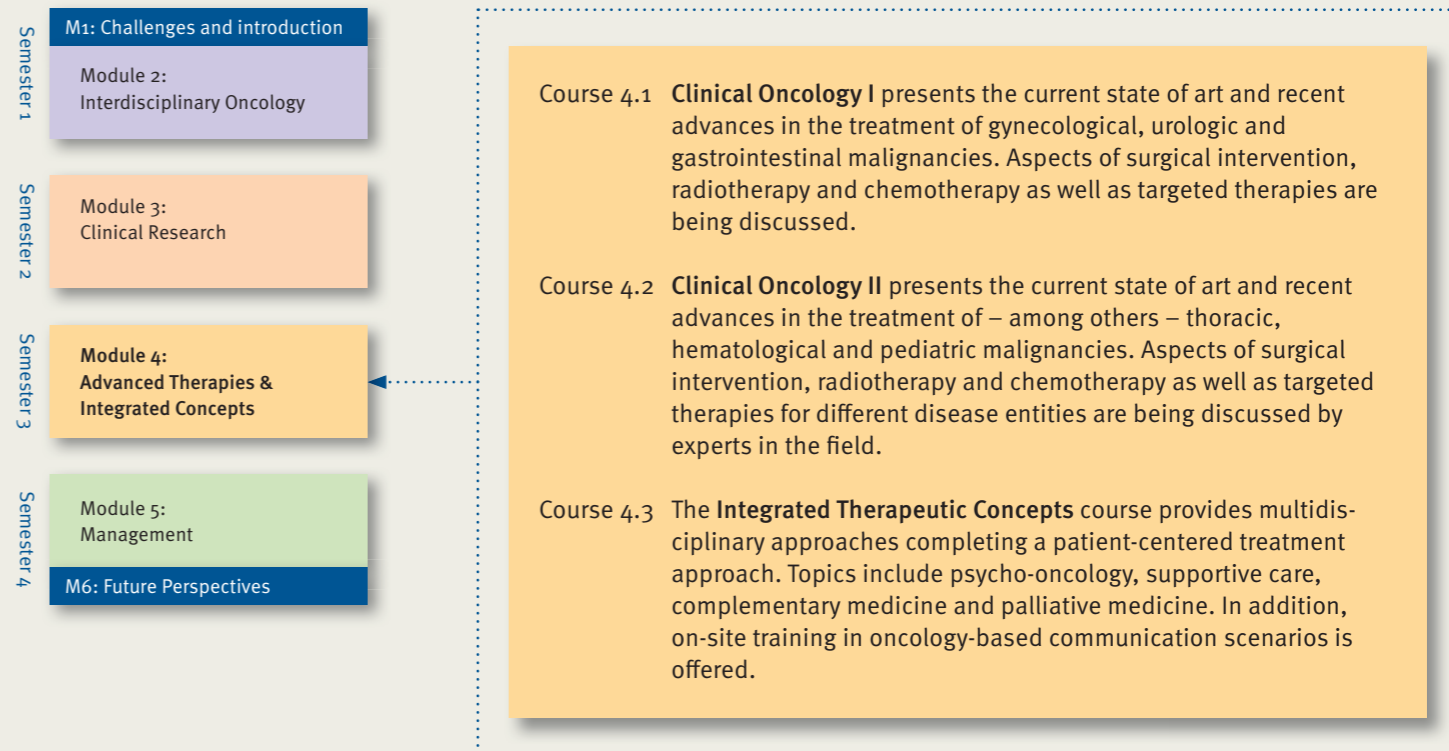
Module 3: Clinical Research

The curriculum of Module 3 is divided into four courses:



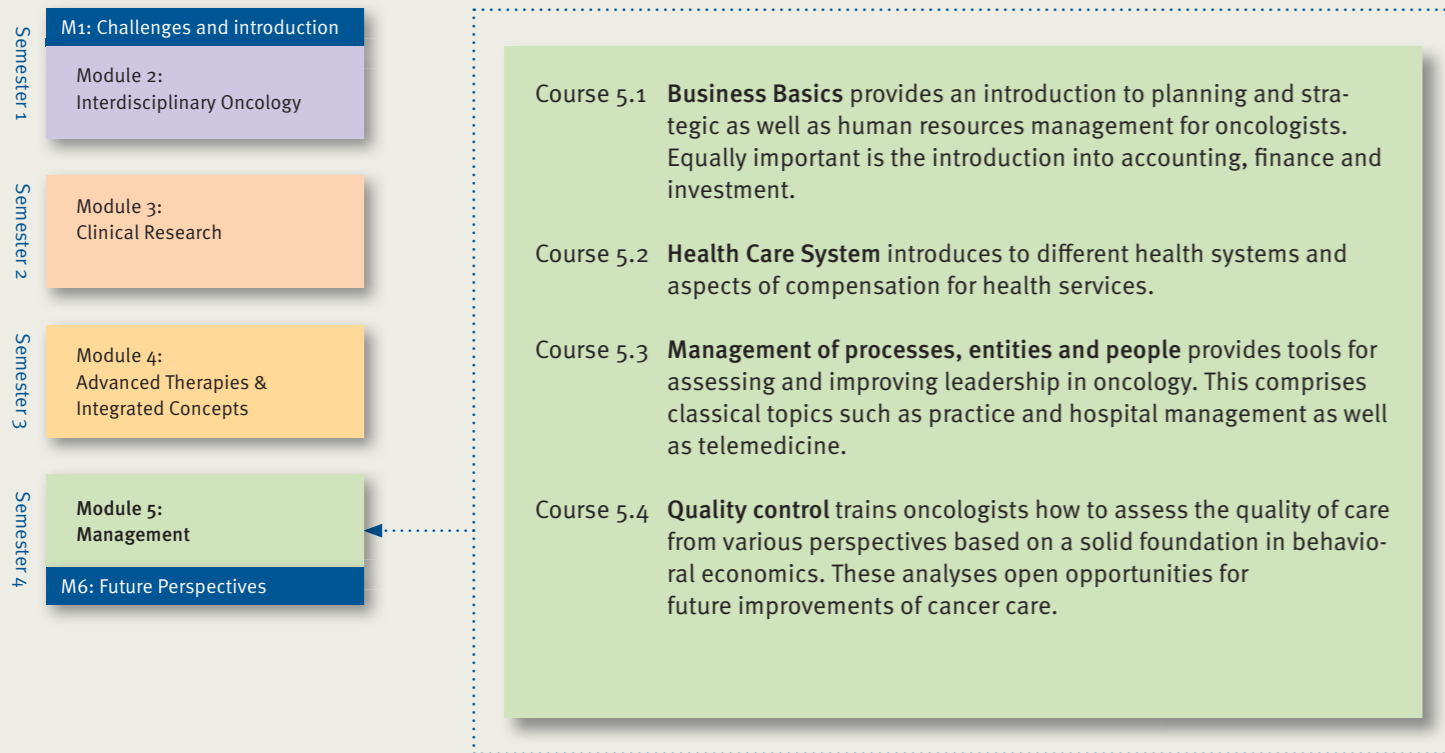
Module 4: Advanced Therapies & Integrated Concepts

The curriculum of Module 4 is divided into three courses:



Module 5: Management

The curriculum of Module 5 is divided into four courses:



Exams and Pre-exam Assignments

In order to support our students in a continuous learning process, we provide additional mandatory pre-exam assignments during the entire study program.

Pre-exam assignments:

- refer to the course contents
- help to keep on track with learning
- help to assess the state of knowledge concerning the course contents
- will not be graded but
- provide up to 3 ECTS credits which
- are the mandatory prerequisite for admission to the referring Module exam during the subsequent attendance seminar

Exams:

- In order to provide equal conditions to all our students, all exams:
- will be held during the attendance seminars
- will be graded
- provide up to 2 ECTS credits
- can be repeated twice in case of failure

Master's Thesis

Within their Master's thesis students will:

- perform an original scientific project in the field of Interdisciplinary Oncology, Clinical Research, Advanced Therapies and Integrated Concepts or Management
- summarize the data in a written report in the context of published data
- critically discuss published data related to their project in a scientific presentation

Prerequisites to start with the thesis:

- participation in the first attendance seminar and
- successful passing of the examination on Interdisciplinary Oncology

Period from the assignment of the topic to the submission:

The Master's thesis takes 6 months from admission date to closing date. An extension of this period up to three month may be granted by the subject-specific board of examiners upon a reasoned request.

Workload / Credits: 450 hours (15 ECTS)

Application and Admission

Step 1: Eligibility Requirements

a) Bachelor degree in medicine or an equivalent degree at the level of – in general – four years of studies and **at least one year** of professional experience in oncology.

or

b) Bachelor degree in natural sciences¹⁾ or engineering²⁾ or an equivalent degree at the level of – in general – four years of studies **and at least two years** of professional experience in oncology.

Sufficient linguistic competencies of the English language do not need to be proven but are in the students' own interest.

Step 2: Online Application System and Deadline

Applications are to be submitted online.

For access and guidance contact us at advanced-oncology@uni-ulm.de.

The application period for enrollment for a program starts in October on April 1st and closes on May 15th of the corresponding year.

Step 3: Interview

The applicants will be invited for a video interview (via Zoom). In general, the interview appointments are scheduled in June/July. Applicants will be invited about two weeks before the interview.

The video interview is conducted in English by the program's Selection Committee. The key aspects of occupational practice, expertise in oncology, additional qualifications as well as motivation for the study program will be discussed and evaluated. The evaluation also includes conduct during the interview with regard to manner of expression, command of the English language, the applicant's approach to explaining problems and conclusiveness of argumentation. The interview generally lasts 10-20 min.

Step 4: Admission

According to the Selection Committee's decision, Ulm University will provide the selected candidates with a formal admission notification.

Tuition Fee*

The tuition fee is currently 4.875 € per semester. This includes all costs for the modules, tutorial guidance, online lectures, Master's thesis and exams. Payment is due upon receipt of payment notification which is issued in connection with admission / re-registration for each semester. Upon application, payment by installments may be granted in exceptional cases.

Administrative Fee*

An additional fee of currently 180 € per semester will be charged for administrative expenses and the student union.

Attendance Seminar Expenses

Travel, living and accommodation costs during the attendance seminars are not included in the fee.

¹⁾ E.g. biology, biochemistry, biophysics, chemistry

²⁾ E.g. biomedical engineering, biotechnology

* Fees may be subject to change. Current fees see on www.masteroncology.de

Students' Statements



Lona Gaugler, scientist – Switzerland

I joined the program because I think I have a strong molecular scientific background in oncology and it's a field that interests me a lot. But obviously there is the clinical aspect that needs to come into play. Currently, I work in the pharmaceutical industry, so I work with many people from the clinics. It's really important for me to get the view of the whole topic of cancer. I'm very grateful to be surrounded by all these people who have so much more experience than I do in that topic.

Sergiu Brenister, surgeon – Moldova

I mostly enjoyed the course on molecular biology, because it really shows the direction of correct treatment of patients.



Zeinab Elsayed, radiotherapist – Egypt

I found every aspect I need to modify my knowledge to date. I finished my MD 10 years ago, and this program covers areas like management and clinical research which are beneficial for my work.



Blaise Nkegoum, pathologist – Cameroon

I think cancer is becoming more frequent, and I would like to develop my research in this topic because cancer will kill many people in developing countries, including my country. So I think I have many things to do in this area.



Cooperating Partners



The Comprehensive Cancer Center Ulm (CCCU)

In July 2006, Ulm University Medical Center and the Medical Faculty of Ulm University Ulm founded the Comprehensive Cancer Center Ulm (CCCU). It originated from the Tumorzentrum Ulm which was established in 1984, initially supported by a program of the Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung, BMBF). This transition was considered necessary in order to meet the demands of modern oncology, i.e. truly multidisciplinary patient care, interactive and innovative clinical and laboratory research, high clinical trials activity, qualified training for health professionals, community service and outreach, as well as cancer prevention.

Since 2009 the CCCU has been funded as an interdisciplinary oncology center of excellence by the German Cancer Aid (»Deutsche Krebshilfe«).

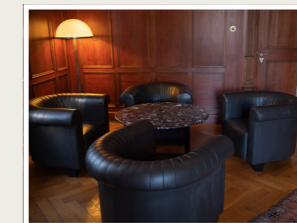
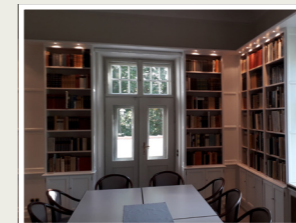
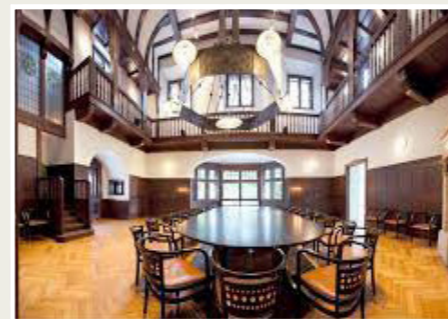


European School of Oncology

The European School of Oncology (ESO) was established in 1982 as a non-profit organisation exclusively dedicated to increasing the knowledge of health professionals in cancer care. The Master Online Study Program Advanced Oncology is an ESO-recommended program.

Scientific Conference Center Villa Eberhardt

The representative former residence of an Ulm family of manufacturers is the seminar center of the University of Ulm. This little gem on the Safranberg in Ulm offers the participants the perfect setting for seminars and network discussions. The associated park invites you to take a stroll during the conference breaks, and accommodation in the nearby Ulm hotels is organised by consulting with the students.



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