

## MEDISS doctoral program: Course list (effective: 03.06.2024)

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### 1. Courses for scientific core competencies

In the following lists you will find courses, which impart scientific core competencies and are credited by the MEDISS-office for the MEDISS doctoral program if you submit a certificate of attendance.

This list does not intend to be exhaustive. Further courses, especially those with similar content provided by different organizers. Please feel free to ask at the MEDISS office if recognition for QE is possible.

#### *a. Scientific work, good scientific practice, and further scientific performances/accomplishments/efforts*

Course(s)	Unit/Contact	QE	Further information
Scientific lecture series	Divers (see below)	1	Additional attendance at 5 scientific lectures (max. 2 QE, 1 QE as obligatory and 1 QE as optional)
Scientific contributions at retreats and symposia	Divers (e.g. SFBs)	Up to 2	
Writing your research proposal	Graduate academy	1,5	
How to plan and write a competitive research or grant proposal	Graduate academy	3	The complete seminar program of the graduate academy can be found <a href="#">here</a> .
Time and project management	Graduate academy	2	
Mastering the unexpected	Graduate academy	3,5	
<b>Online Courses</b>	<b>Graduiertenakademie</b>		<b>The online courses listed below can be recognized in total for a maximum of 2 QE within MEDISS-Program.</b>
E-Learning FOSTER Open Science	Graduate academy	0,5 per Module (max. 2 QE)	Modules 1 – 5 in „Follow our learning paths“: <ol style="list-style-type: none"> <li>1. The open peer reviewer;</li> <li>2. The responsible data sharer;</li> <li>3. The reproducible research practitioner;</li> <li>4. The open innovation accelerator;</li> <li>5. The open access author.</li> </ol> <b>The courses are recognized with a maximum of 2 QE upon presentation of the certificate of participation and a one-page, self-written summary.</b> You can find more information <a href="#">here</a> .

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Nature Masterclasses	Graduate academy	max. 2,0	The courses are recognized with a maximum of 2 QE upon presentation of the certificate of participation and a one-page, self-written summary. You can find more information <a href="#">here</a> .
Advancing your Research Career – Strategies for Research Leadership	Graduate academy	max. 2,0	The courses are recognized with a maximum of 2 QE upon presentation of the certificate of participation and a one-page, self-written summary. You can find more information <a href="#">here</a> .

**b. Approaching literature, scientific writing and presenting scientific data**

Course(s)	Unit/Contact	QE	Further information
Academic Writing in English (3h to 8h courses)	Graduate academy	0,5 for 2h 1 for 3h 1,5 for 6h 2 for 8h	Courses in academic writing are only credited once. In case two or more courses are attended the longest course is credited.
Communicating science comprehensibly through visualizations	Graduate academy	3,5	
Effective Visual Communication of Science	Graduate academy	3	The complete seminar program of the graduate academy can be found <a href="#">here</a> .
Academic Poster Design	Graduate academy	2 for 8h 3 for 12h	
Thesis Defence Training	Graduate academy	3	
Scientific writing	MEDISS-Programm	3,5	<a href="#">Homepage des MEDISS-Programms</a>
Professional literature search in medicine and life sciences	University library	0,5	Courses in literature search are only credited once. Further information can be found here

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Course(s)	Unit/Contact	QE	Further information
Professional literature search with PubMed	University library	0,5	<b>Courses in literature search are only credited once.</b> Further information can be found <a href="#">here</a>

***c. Statistics, SPSS and similar***

Course(s)	Unit/Contact	QE	Further information
Research Data Management	Graduate academy	1	The complete seminar program of the graduate academy can be found <a href="#">here</a> .
Advanced Epidemiology and Statistics	Global Health Dr. Andreas Deckert	1 to 6	<b>This course is not offered during summer term 2022</b>
Programming course with R in Immunological Bioinformatics, Tumor Immunology	WT: Interdisziplinäre Onkologie /Sozietät Czerny	4,5	Nähere Informationen finden Sie <a href="#">hier</a>

***d. Laboratory work and experimental methods***

Course(s)	Unit/Contact	QE	Further information
Hands-on laboratory courses	GRK 2099	4	Only for members of the GRK 2099

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Course(s)	Unit/Contact	QE	Further information
Laboratory animal course / Introductory Course in Laboratory Animal Science	Divers	Up to 3	For example <a href="#">here</a> .

*e. Courses offered by the „Wahlfachtracks (WT)“/ Societies*

Course(s)	Unit/Contact	QE	Further information
Block seminar: Measuring the Immune System	WT: Immunologie in Forschung und Klinik	Up to 5	Offered only during winter term. <b>Members of the WT will get preference during the registration process.</b> Further information can be found <a href="#">here</a> (Moodle).
Block seminar: Experimental Methods in Immunometabolism	WT: Immunologie in Forschung und Klinik	7	Offered only during winter term. <b>Members of the WT will get preference during the registration process.</b> Further information can be found <a href="#">here</a> (Moodle).
Clinical Epidemiology - Principles, Methods and Applications	WT: Interdisziplinäre Onkologie	Up to 5	
Programming course with R in Immunological Bioinformatics, Tumor Immunology	WT: Interdisziplinäre Onkologie /Sozietät Czerny	4,5	
Immunological Bioinformatics and Tumor Immunology	WT: Interdisziplinäre Onkologie/Sozietät Czerny	4,5	Will be credited as elective course, but not as Journal Club in the mandatory part of the Mediss program requirements

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### *f. clinical optional subjects and single -modules*

Course(s)	Unit/Contact	QE	Further information
Advanced Epidemiology and Statistics	Global Health Dr. Andreas Deckert	1 to 6	<b>This course is not offered during summer term 2022</b>

### **2. Courses for key competencies**

Courses on key competencies are recognized for the MEDISS doctoral program, after presentation of participation, only with a maximum of 2 QE. Courses for key competencies, in comparison to core competencies, teach skills for personal usage when writing a doctoral thesis, such as project management, time management, didactics and similar.

Course(s)	Unit/Contact	QE	Further information
Soft-Skill-courses offered by the Graduateacademy	Graduate academy	1 per 1/2 day	The complete seminar program of the graduate academy can be found <a href="#">here</a> .

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### 3. Scientific lecture series

Attendance of 5 scientific lectures are recognized by the MEDISS doctoral program with 1 QE, provided the attendance has been signed by the organizer or lecturer on the intended tracking sheet. For recognition of QE, lectures by diverse series can be attended. The following list shows examples of scientific series with topics which could be of interest for medical doctoral students. The recognition for QE from other lecture series is possible.

Series	Unit/Contact	Further information
<i>General Practice, Health Services Research and Public Health:</i>		
Global Health lecture series	Global Health	For further information click <a href="#">here</a> .
Life Science Talks on Campus	CellNetworks Core Technology Platform Field of Focus 1	For further information click <a href="#">here</a>
GLOHRA Academy Series	German Alliance for Global Health Research	This Seminar series ist part of the “GLOHRA Training Certificate”. A pre-registration is required for the issue of participation certificates. For further information click <a href="#">here</a> .
<i>Biometrics, computer science, epidemiology:</i>		
Heidelberger Kolloquium Medizinische Biometrie, Informatik und Epidemiologie	Medical Biometry and computer science  Birgit Schleweis	
<i>Immunology and Infectiology:</i>		
Medical microbiology and infection immunology (Institute seminar)	Medical microbiology and hygiene	For further information click <a href="#">here</a> .
Seminars with external speakers (SFB 1129)	SFB 1129	For further information click <a href="#">here</a> .
<i>Internal Medicine:</i>		

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Series	Unit/Contact	Further information
Distinguished Lecturers	DKFZ	Further information can be found <a href="#">here</a> .
Heidelberger Grand Rounds	NCT/DKFZ	Further information can be found <a href="#">here</a> .
State-of-the-Art	Innere Medizin V/NCT	Further information can be found <a href="#">here</a> . Some lectures might be in English.
Progress in Cancer Research (PiCR) lectures	DKFZ	For further information, please contact the DKFZ International PhD Program Office: <a href="mailto:phd-prog@dkfz.de">phd-prog@dkfz.de</a>  Program and registration for external students you find <a href="#">here</a> . Login details to attend the lecture will be provided to registered participants (Members of the DKFZ are requested to register for this lecture series via the DKFZ Training Portal and not the link provided above.)
TLRC Research Seminar	TLRC Heidelberg (DZL)	Weitere Informationen finden Sie <a href="#">hier</a> .
<i>Psychosocial medicine:</i>		
Interdisziplinäre Fortbildungsreihe des Zentrums für Psychosoziale Medizin	ZPM	Some lectures might be in English. For further information click <a href="#">here</a> .
<i>Cellular biology:</i>		
Lecture series (SFB 873)	SFB 873	For further information click <a href="#">here</a> .
<i>Varying topics:</i>		
COS Lectures	COS	Ask cell and developmental biology or physiology For further information click <a href="#">here</a> .



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<b>Series</b>	<b>Unit/Contact</b>	<b>Further information</b>
DKFZ-ZMBH-Alliance Colloquium	ZMBH/DKFZ	Molecular biology and cellular biology. For further information click <a href="#">here</a> .
Marsilius-Vorlesungen	Marsilius Kolleg	Some lectures are in English. Interdisciplinary oriented. For further information click <a href="#">here</a> .
ZMBH-Seminar	ZMBH	Molecular biology and cellular biology. Weitere Informationen finden Sie <a href="#">hier</a> .