

Master program Infection Biology

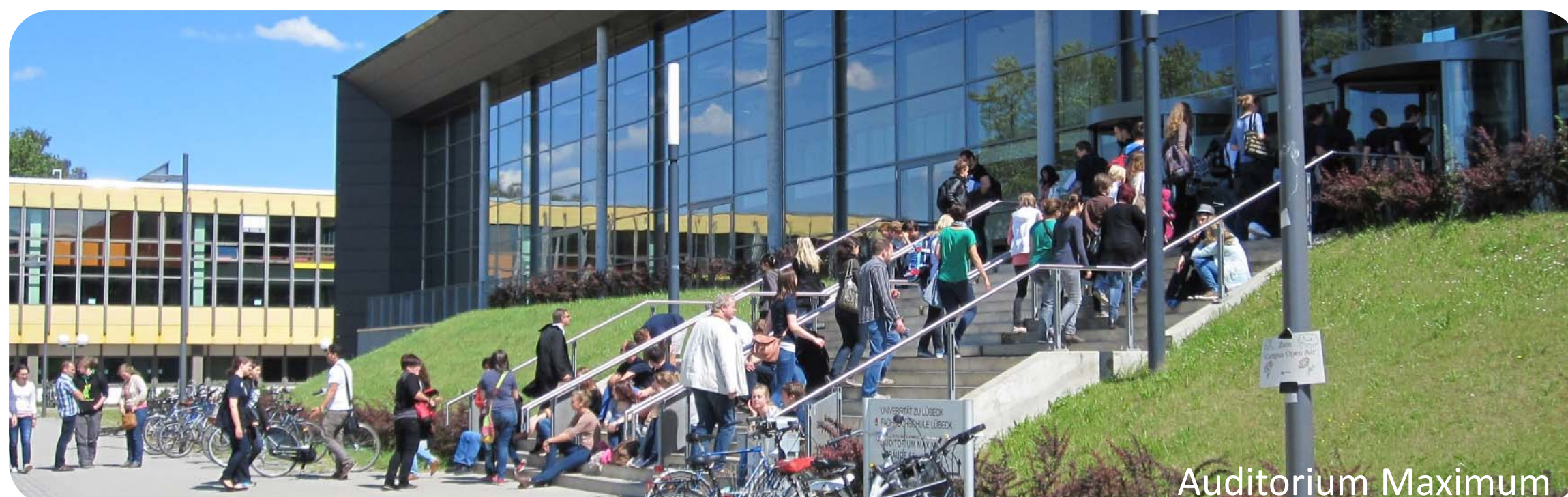
GENERAL INFORMATION

The aim of the Master in Infection Biology is to provide a comprehensive course of studies, which will prepare students for scientific and applied research in the field of human and animal pathogens and respective infectious diseases. It is a joint 2 year program of the University of Lübeck and the Research Center Borstel, Leibniz Center for Medicine and Biosciences.



Lübeck with its fascinating world-heritage old city island is located in the metropolitan region of Hamburg at the bay of Lübeck. Lübeck is a hanseatic city and an important center of science and education arranged around its university specified for medicine, bioscience and computing.

Our motto "Focus on life" describes the highly specialized professional orientation on the one hand and marks the personal relationship on the campus on the other hand. Our mission "excellent education through excellent research" characterizes the assembly of teachers and students as well as the interdisciplinarity of our life science university.



APPLICATION

Requirements:

Bachelor (biology, life science) or 2. state exam in human or veterinary medicine

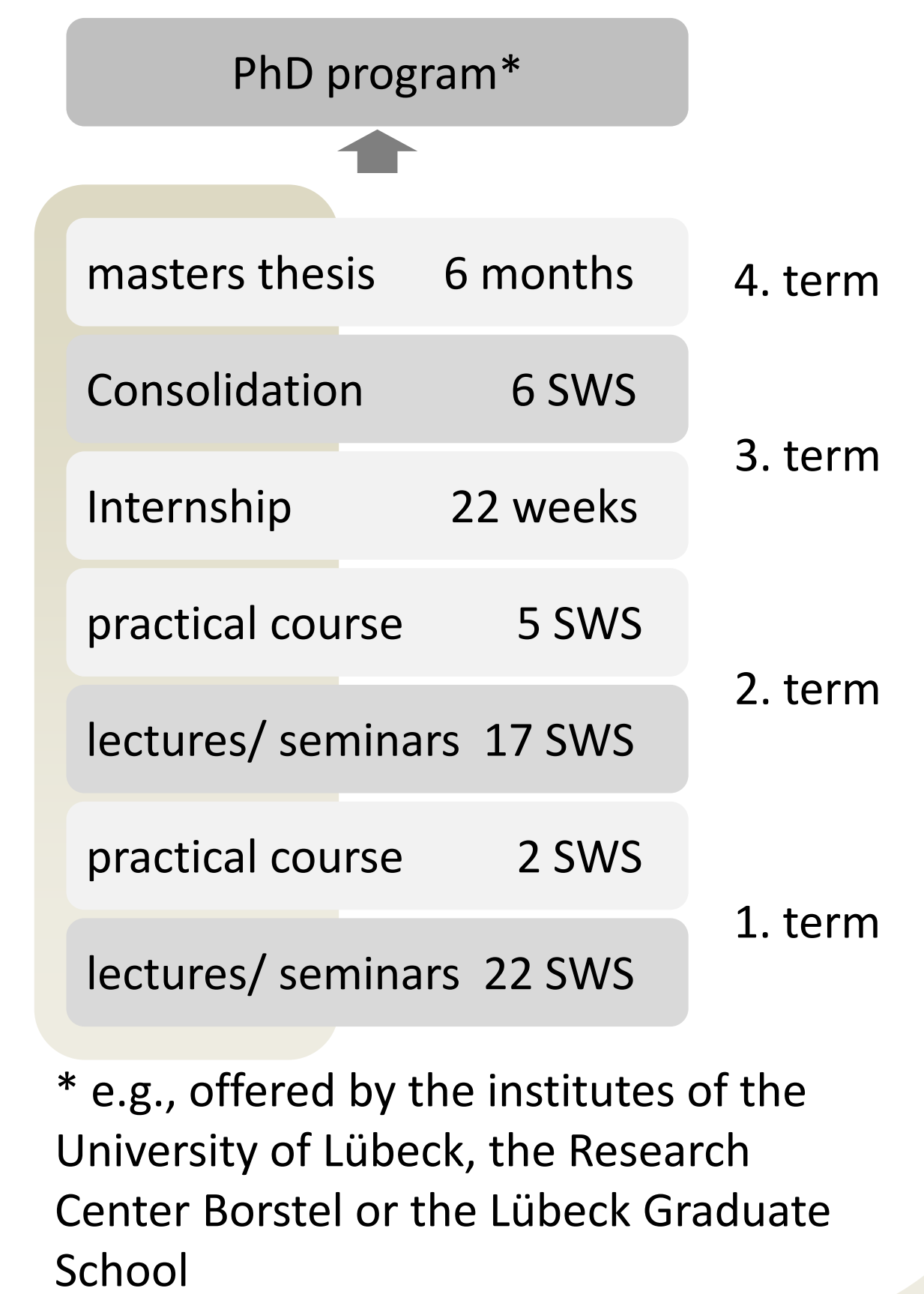
Application documents:

- Bachelor certificate
- Transcript of records or Diploma supplement
- CV
- Title and abstract of your written Bachelor Thesis
- TOEFL or equivalent qualification (IELTS, CAE)
- Letter of motivation

Application period: 1st May – 15th July

SPECIFICATIONS

Graduation:
Master of Science in
Infection Biology
Duration:
4 semesters
120 credit points (CP)
Beginning:
Winter semester
(1st October)
Language: English



CURRICULUM

Lectures, seminars and internships offered, address the microbiology, immunology, cell biology, biochemistry, biophysics, clinical presentation (pathogenesis, diagnosis, treatment, prevention) and the epidemiology of infectious diseases and their pathogens (bacteria, viruses, parasites, fungi) in basic and intensified forms.

	Infection Biology	Cellular & Molecular Microbiology	Interdisciplinary Section & Clinical Aspects	
1. term (32 CP)	Infection Biology 1 (6 CP) 4/0/0/0	Structural Biology of Infection (6 CP) 2L each	Clinical Aspects of Infection (5 CP) 3/1/0/0	L/E/P/S
	Immunology (6 CP) 4/0/0/0	Diagnosis of Infectious Diseases (5 CP) 2/0/2/1	Bioinformatics (4 CP) 2/1/0/0	L/E/P/S
2. term (29 CP)	Infection Biology 2 (5 CP) 2/0/3/0	Anti-microbial Therapy & Prophylaxis (6 CP) 2/0/0/0	Model Systems of Infection (9 CP) 0/0/0/2	3/2/2/0 L/E/P/S
	Medical Microbiology (6 CP) 2S each	Host-Pathogen Interaction (3 CP) 2/0/0/0		L/E/P/S
3. term (22 CP)	Internship (16 CP) 22 weeks		Consolidation in Infection Biology (6 CP) 3/2/2/0	L/E/P/S
4. term (37 CP)	Master Thesis in Infection Biology (30 CP) 6 months		Ethics in Science/ Scientific Writing (7 CP) 2/0/0/0	0/0/0/2 L/E/P/S

L = lecture / E = exercise / P = practical course / S = seminar
in SWS (weekly hours per semester)