

course-no.	course title	no. of CPs (according to ECTS):
<i>Molecular Virology</i>	<i>Molecular Virology</i>	1

type of course	responsible for the course	email / tel.-no.
<i>elective</i>	<i>PD Dr. Barbara Schnierle (Brigitte Held)</i>	<i>held@pharmchem.uni-frankfurt.de 069-798-29801</i>

Course Description

1. aims

*PhD students get to know characteristics of different, selected virus families, their structure and replication strategies
PhD students should understand how the immune system reacts to viruses, how viruses can be used in the laboratory for a variety of purposes*

2. content

*Overview of a different virus families (e.g. retroviruses, influenza virus, arena viruses, vaccinia viruses, hepadna viruses, herpes virus),
virus evolution,
immune reactions to virus infections,
viruses as gene transfer vehicle and expression system*

3. course modules

Module/Course title	type of module/course	hours per week in a semester	CPs	mandatory (M)/elective (e)/catch-up (c)	characteristics
<i>Molecular Virology</i>	<i>V</i>	<i>1</i>	<i>1</i>	<i>e</i>	

4. description of teaching and learning format

Lecture: overview in molecular virology, some selected virus families

5. qualification/condition for attendance

- *Science degree*
- *interest*

6. applicability

*Useful techniques for own experiments
General knowledge on molecular virology*

7. amount of work and credit points (CPs)

Beispiel:	weeks	hours/week	hours (total)	CPs
<i>lecture</i>	<i>12</i>	<i>1</i>	<i>12</i>	
<i>Exam - test</i>	<i>1</i>	<i>1</i>	<i>1</i>	
<i>Preparation, follow-up for lecture</i>	<i>12</i>	<i>0.5 (30min)</i>	<i>6</i>	
<i>Preparation for exam</i>	<i>2</i>	<i>2</i>	<i>4</i>	
			<i>23</i>	<i>1</i>

8. examination and marking of the course

*Test (MCQ);
Regular attendance (80% if exam passed)*

9. duration of the course

One semester (during term-time); Tue. 8:15 – 9:15, GSH

10. number of participants

minimum: 15, maximum: 45

11. registration

*Register with Brigitte Held
(via the [first-gradschool.de](http://www.first-gradschool.de) website once available)*

12. literature; lecture notes

*Lecture notes available on the FIRST-gradschool-website
<http://www.first-gradschool.de/courses/elective-courses/molecular-virology.php>
and/or handouts*

13. other