

# MMG 813 Spring 2020 Molecular Virology

## Instructors

Yong-Hui Zheng  
MMG  
4195 BPS  
517-884-5314  
[zhengyo@msu.edu](mailto:zhengyo@msu.edu)

Zhiyong Xi  
MMG  
314 Giltner Hall  
517-432-7506  
[xizy@msu.edu](mailto:xizy@msu.edu)

Dohun Pyeon  
MMG  
4197 BPS  
517-884-5077  
[dpyeon@msu.edu](mailto:dpyeon@msu.edu)

## Guest Instructors

Andrea Amalfitano  
MMG  
517-355-9616  
[amalfit1@msu.edu](mailto:amalfit1@msu.edu)

Edward Walker  
MMG  
517-884-5389  
[walker@msu.edu](mailto:walker@msu.edu)

Steven Bolin  
PDI  
517-432-9926  
[bolins@msu.edu](mailto:bolins@msu.edu)

Gisela Hussey  
PDI  
514-432-3273  
[husseygi@msu.edu](mailto:husseygi@msu.edu)

Henry Hunt  
USDA  
[hunthd@gmail.com](mailto:hunthd@gmail.com)

### **Time:**

Classes will be held from 9:00-10:20 a.m. Monday and Wednesday throughout Spring Semester in Room 2245 BPS.

### **Office Hours:**

Each instructor will provide office hours, either scheduled or by appointment as needed. Short questions can be answered by email.

### **Readings:**

Readings from the textbook and/or the current literature will be assigned by individual instructors. Recommended Textbook is "Viruses and Human Disease", by James H. Strauss and Ellen G. Strauss, 2<sup>nd</sup> Edition.

### **Evaluation:**

The final grade will be apportioned as follows:

Exam 1 (mid-term)	40%
Exam 2 (final)	40%
Term paper	20%

## 2016 SS MMG 813 Syllabus

Day	Date	Time	Topic	Instructor
M	6-Jan	9:00 - 10:30 am	Overview: viruses	Zheng
W	8-Jan	9:00 - 10:30 am	DNA viruses	Zheng
M	13-Jan	9:00 - 10:30 am	dsRNA viruses	Zheng
W	15-Jan	9:00 - 10:30 am	(+)ssRNA viruses	Zheng
M	20-Jan	Martin Luther King	no class	
W	22-Jan	9:00 - 10:30 am	(-)ssRNA viruses	Zheng
M	27-Jan	9:00 - 10:30 am	Retroviruses	Zheng
W	29-Jan	9:00 - 10:30 am	HIV	Zheng
M	3-Feb	9:00 - 10:30 am	Overview of arboviruses	Xi
W	5-Feb	9:00 - 10:30 am	Flavivirus: Dengue virus	Xi
M	10-Feb	9:00 - 10:30 am	Flavivirus: Zika virus	Xi
W	12-Feb	9:00 - 10:30 am	Flavivirus: West Nile virus	Walker
M	17-Feb	9:00 - 10:30 am	Alphavirus: Chikungunya virus	Xi
W	19-Feb	9:00 - 10:30 am	Alphavirus: Eastern equine encephalitis (EEE) virus	Xi
M	24-Feb	9:00 - 10:30 am	Bunyaviruses	Xi
W	26-Feb	9:00 - 10:30 am	mid-term exam	
M	2-Mar	Spring break	no class	
W	4-Mar	Spring break	no class	
M	9-Mar	9:00 - 10:30 am	Influenza virus	Xi
W	11-Mar	9:00 - 10:30 am	Viral strategies for survival/disease	Bolin
M	16-Mar	9:00 - 10:30 am	Foodborne viruses	Bolin
W	18-Mar	9:00 - 10:30 am	Marek's disease viruses	Hunt
M	23-Mar	9:00 - 10:00 am	Adenoviruses	Amalfitano
W	25-Mar	9:00 - 10:30 am	Herpesviruses (I)	Hussey
M	30-Mar	9:00 - 10:30 am	Herpesviruses (II)	Hussey
W	1-Apr	9:00 - 10:30 am	Tumor viruses: Overview	Pyeon
M	6-Apr	9:00 - 10:30 am	Papillomaviruses	Pyeon
W	8-Apr	9:00 - 10:30 am	Polyomaviruses	Pyeon
M	13-Apr	9:00 - 10:30 am	Hepatitis B and C viruses	Pyeon
W	15-Apr	9:00 - 10:30 am	Poxviruses	Pyeon
M	20-Apr	9:00 - 10:30 am	Antiviral immunity and viral immune evasion	Pyeon
M	27-Apr	9:00 - 10:30 am	Final exam	