# [Microbiology Theme]

# Training Plan for Graduate Students\*

	Fall Term <sup>1</sup>	Spring Term <sup>1</sup>	Summer Term <sup>1</sup>
	Coursework <sup>2</sup> :	Coursework <sup>2</sup> :	Lab Rotation 3: GBS
	GBS 707: Basic Biochemistry	GBS 760: Prokaryotic Gen/Mol. Bio.	797 (March 2-May
	GBS 708: Basic Genetics	GBS 762: Virology	<b>27)</b> (conclude)
	GBS 709: Basic Bio. Organization	GBS 763: Microbial Pathogenesis	, ( ,
	GBS 748: Fundamentals in Microbiology	GBS 768: Communicating Science	Courses: None
	0-0-1	<b>BY 755</b> : Biometry (if not taken in spring of first year,	required
	Research Rotations:	must be taken by end of second year)	
	Lab Rotation 1: GBS 795 (Aug.25-Nov.19) <sup>3</sup>	mass so taken sy end or second year,	Elective/Advanced
1	Lab Rotation 2: GBS 796 (Nov. 19-Feb. 8) (start)	Research Rotations:	Course(s) <sup>4</sup> : 3 during
_		Lab Rotation 2: GBS 796 (Nov. 20-Feb. 27) (conclude)	training
	Journal Club: None	Lab Rotation 3: GBS 797 (March 2-May 27) (start)	
	<b>Seminar:</b> Weekly attendance at Department of		Journal Club: None
	Microbiology or other seminar	Journal Club: None	Seminar: None
		Seminar: Weekly attendance at Department of	
		Microbiology or other seminar	
		Mentor Selection (target date May 1)	
	Non-dissertation Research: GBS 798	Non-dissertation Research: GBS 798	Non-Dissertation
			research: GBS 798
	Coursework:	Coursework:	
	GRD 717: Bioethics	<b>BY 755</b> : Biometry (if not taken in spring of first year,	Courses: None
	GBS 759: Dev Pres Skills in Micro Res	must be taken by end of second year)	required
	Journal Club: required	GBS 759: Dev Pres Skills in Micro Res	
	_	Journal Club: required	Elective/Advanced
2	Elective/Advanced Course(s) <sup>4</sup> :		Course(s) <sup>4</sup> : 3 during
	3 required during training	Elective/Advanced Course(s) <sup>4</sup> :	training
		3 required during training	
	Seminar: Weekly attendance at Department of		Journal Club: None
	Microbiology or other seminar	Seminar: Weekly attendance at Department of	Seminar: None
	nd th	Microbiology or other seminar	
	<b>2<sup>nd</sup> Yr. Prelim. Mtg.:</b> by Oct. 15 <sup>th</sup>		
		Qualifying Exam: Spring of 2 <sup>nd</sup> year	
	Non-dissertation Research: GBS 798	Dissertation research: GBS 799	Dissertation
			research: GBS 799
	Coursework:	Coursework:	
	GBS 759: Dev Pres Skills in Micro Res	GBS 759: Dev Pres Skills in Micro Res	Courses: None
	Journal Club: required	Journal Club: required	required
	Elective/Advanced Course(s) <sup>4</sup> :	Elective/Advanced Course(s) <sup>4</sup> :	Elective/Advanced
	3 required during training	3 required during training	Course(s) <sup>4</sup> : 3 during
3	J required during craiming	5 required during training	training
	Seminar: Weekly attendance at Department of	Seminar: Weekly attendance at Department of	
	Microbiology or other seminar	Microbiology or other seminar	Journal Club: None
	e.e.e.e.e.e.e.e.e.e.e.e.e.e.e.e.e.		Seminar: None
	Admission to Candidacy Committee Meeting:	Committee Meeting (1 additional this year)	
	Fall of 3 <sup>rd</sup> year	( = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =	Committee Meeting
	,		(1 additional this
			year)
			year)

### [Microbiology Theme]

### Training Plan for Graduate Students#

	Dissertation research: GBS 799	Dissertation research: GBS 799	Dissertation research: GBS 799
	Coursework:	Coursework:	
	GBS 759: Dev Pres Skills in Micro Res	GBS 759: Dev Pres Skills in Micro Res	Elective/Advanced
	Journal Club: required	Journal Club: required	Course(s) <sup>4</sup> : 3 during
4	Elective/Advanced Course(s) <sup>4</sup> :	Elective/Advanced Course(s) <sup>4</sup> :	training
4	• • • • • • • • • • • • • • • • • • • •		Journal Club: None
	3 required during training	3 required during training	
	Carrier w Marshly attended as at Department of	Carrier Washington days at Days the safe	Seminar: None
	Seminar: Weekly attendance at Department of	Seminar: Weekly attendance at Department of	
	Microbiology or other seminar	Microbiology or other seminar	Committee Meeting
	Committee Manatine (2 manage)	Committee Advanting (2 manuscra)	(2 per year)
	Committee Meeting (2 per year)	Committee Meeting (2 per year)	
	Dissertation research: GBS 799	Dissertation research: GBS 799	Dissertation
			research: GBS 799
	Coursework:	Coursework:	
	<b>GBS 759</b> : Dev Pres Skills in Micro Res	GBS 759: Dev Pres Skills in Micro Res	Dissertation
	Journal Club: required	Journal Club: required	<b>Defense</b> <sup>5</sup> (public & private)
5	Elective/Advanced Course(s) <sup>4</sup> :	Elective/Advanced Course(s) <sup>4</sup> :	private
	3 required during training	3 required during training	Graduation
	e redementation		
	Seminar: Weekly attendance at Department of	Seminar: Weekly attendance at Department of	
	Microbiology or other seminar	Microbiology or other seminar	
	Committee Meeting (2 per year)	Committee Meeting (2 per year)	
	(if needed)		
6	Dissertation research: GBS 799		
	Dissertation Defense <sup>5</sup> (public & private)		
	Graduation		

<sup>&</sup>lt;sup>1</sup> Each term registration: total 9 credit hours, except Equity and Diversity Scholars 10 credit hours Fall/12 credit hours Spring/10 credit hours Summer.

- May take one first year course (Jan-April modules) as an advanced course with additional work. Requires permission of instructor and Theme Director.
- May take both sections of first-year Immunology (Nov-Dec, Jan) to count as a single advanced course without additional work IF you have not previously taken either section. Requires permission of instructor and Theme Director.
- May take a single off-campus course to count for advanced credit. Requires permission of Theme Director. Consult with Theme Director for acceptable courses and requirements.

#### # Additional theme requirements

Publications: Two (2) accepted or published first author papers

Presentations: At least one (1) presentation at a national or international scientific meeting

Exceptions to these guidelines rest with the committee

<sup>&</sup>lt;sup>2</sup> Exceptions require permission of Theme Director.

<sup>&</sup>lt;sup>3</sup> Rotation dates, 2014-2015.

<sup>&</sup>lt;sup>4</sup> • Advanced courses are 700-level, 3 credit hours, letter grade. If in doubt, consult Theme Director.

<sup>&</sup>lt;sup>5</sup> Must be admitted to candidacy for a minimum of 1 year before dissertation defense