# [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> :	Coursework <sup>2</sup> :
	GBS 707: Basic Biochemistry	GBS 760: Prokaryotic Gen/Mol. Bio.	Module 5 TBD
	GBS 708: Basic Genetics	GBS 762: Virology	
	GBS 709: Basic Bio. Organization	GBS 763: Microbial Pathogenesis	Lab Rotation 3: GBS
	Carrier Same Sier Green Same	GBS 768: Communicating Science	797 ( March 2-May
	Research Rotations:	BY 755: Biometry (if not taken in spring of first year,	30) (conclude)
	Lab Rotation 1: GBS 795 (Aug 24-Nov 18) <sup>3</sup>	must be taken by end of second year)	<b>30</b> / (conclude)
	Lab Rotation 2: GBS 796 (Nov 19 – Mar 1)	mast be taken by end of second yeary	Courses: None
	(start)	Research Rotations:	required
1	(start)	Lab Rotation 2: GBS 796 ( Nov 19 – Mar 1) (conclude)	required
	Journal Club: None		Flootive / Advenced
		Lab Rotation 3: GBS 797 (March 2-May 30) (start)	Elective/Advanced
	Seminar: Weekly attendance at Department of		Course(s) <sup>4</sup> : 3 during
	Microbiology or other seminar	Journal Club: None	training
		Seminar: Weekly attendance at Department of	
		Microbiology or other seminar	Journal Club: None
			Seminar: None
		Mentor Selection (target date May 1)	
	Non-discountation Process L. CDC 700	New discoulation Description COC 700	Non Biocont II
	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	
	4	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
		Microbiology or other seminar	
	<b>2<sup>nd</sup> Yr. Prelim. Mtg.:</b> by Oct. 15 <sup>th</sup>		
		<b>Qualifying Exam:</b> 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	3 required during training	3 required during training	Course(s) <sup>4</sup> : 3 during
			training
		· ·	
	Microbiology or other seminar	Microbiology or other seminar	
			Seminar: None
		Committee Meeting (1 additional this year)	
	Fall of 3' year		_
			•
			year)
	Seminar: Weekly attendance at Department of Microbiology or other seminar  Admission to Candidacy Committee Meeting: Fall of 3 <sup>rd</sup> year	Seminar: Weekly attendance at Department of Microbiology or other seminar  Committee Meeting (1 additional this year)	Journal Club: None Seminar: None Committee Meetin (1 additional this

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	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	<b>Course(s)</b> <sup>4</sup> : 3 during training
4	Elective/Advanced Course(s) <sup>4</sup> :	Elective/Advanced Course(s) <sup>4</sup> :	
	3 required during training	3 required during training	Journal Club: None
			Seminar: None
	Seminar: Weekly attendance at Department of	Seminar: Weekly attendance at Department of	
	Microbiology or other seminar	Microbiology or other seminar	<b>Committee Meeting</b>
			(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	<b>GBS 759</b> : 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> :	
	3 required during training	3 required during training	Graduation
	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)	(if needed)	
6	Dissertation research: GBS 799	Dissertation research: GBS 799	
	Dissertation Defense <sup>5</sup> (public & private)	Dissertation Defense <sup>5</sup> (public & private)	
	Graduation	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.

#### <sup>#</sup> 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