	UCC	#	165		
Review	Type:	Edit		Exp	XXFull

CATALOG YEAR 2015-2016

COLLEGE/SCHOOL/SE	CTION: _A	rts and Sciences			
C	New course will or elective _X_	l be part of major _	_X minor _	_X_ as a 1	required
Response Required: (Grade Type _	_X_ Normal (A-F)	CR/NO	C P/	F
If new, provide Course Pr Value, Description, prerec provide change and attach	quisite, and lect	ture/lab hours if ap	plicable. If	in current	online catalog
BIOL 5475					
Advanced Evo-Devo (Evo	olutionary Deve	elopmental Biology	y)		
4 semester hours					
The objective of this cours developmental biology into of developmental genetic pourse will explore how of affects our understanding Justification Adding course to catalog to taught repeatedly.	to a common fr pathways in ord our growing know of how organis	amework of genetider to explain the ebwledge of developms evolve. Prere	cs. The focus evolution of a omental circuit equisite: BIOI	s will be or nimal devo its, and the L 3413.	n the evolution elopment. This eir variation,
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Approvals: Chair Department Curriculum Comm	N <u>ea</u>	Signature I McReynolds	pitally signed by Neal McReynolds : cn=Neal McReynolds, o=Texas A- tiversity, ou=Department of Biology ali=nmcreynoldsetamiu.edu, c=US te: 2015.02.16 11:37:37 -06'00'		Date
Chair Department	Da	n Mott Digitally signed by Dan Not co-Dan Mott o-To Chemistry, email-dimed Date 2013 0223 1020			
Chair College Curriculum Committee	, <u> </u>	Frances Be	Digita	ally signed by Frances I n=Frances Bernat, o=T	AMIU, ou=COAS,
Dean		Tarrees be		=frances.bernat@tami 2015.02.24 16:54:46 -0 	
Provost 06/2014		All	/	**************************************	

Learning Outcomes:

Upon completion of this course, students will be expected to:

- 1. Analyze the general principles governing the genetic basis of developmental change.
- 2. Evaluate how evolution is connected to development and that development is a vehicle for evolutionary change.
- 3. Appraise knowledge that comes from diverse fields in biology
- 4. Apply methods from scientists to ask and answer fundamental and otherwise unanswerable questions.