COLLEGE : C - Arts & Sciences
DEPARTMENT: ASTRONOMY

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DU P	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IAS	NW	ELCT	EMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
ASTR	101	ASTRONOMY	SPR/2004 - AUT/9999	5.0		.		.		.	.	Y	.	.	Y	.	.	Y	.			.
		ASTRONOMY									LAST UPDT: 5/25/05											
		COMMENT:DL SUFFIX					FEE TYPE:1	$15.00	BUDGET:069398		REV OBJ CD:943081											
ASTR	102	INTRO TO ASTRONOMY	AUT/2003 - AUT/9999	5.0		.		.		.	.	Y	.	.	Y	.	.	Y	.			.
		INTRODUCTION TO ASTRONOMY									LAST UPDT: 7/22/04											
		COMMENT:CHANGE DESCRIPTION					FEE TYPE:1	$15.00	BUDGET:069398		REV OBJ CD:943081											
ASTR	105	EXPLORING THE MOON	AUT/2010 - AUT/9999	5.0		.		.		.	.	.	.	.	Y	.	.	.	.			.
		EXPLORING THE MOON									LAST UPDT: 2/17/10		APPROVED: 2/16/10									
ASTR	115	INTRO ASTROBIOLOGY	SPR/2010 - AUT/9999	5.0		.		.		.	.	.	.	.	Y	.	.	.	.	ASTBIO115	ASTBIO115	.
		ASTROBIOLOGY: LIFE IN THE UNIVERSE									LAST UPDT: 2/10/10		APPROVED: 2/27/04								ESS 115	
		COMMENT:MOVE JT COLLEGE																			OCEAN 115	
																					BIOL 114	
ASTR	150	THE PLANETS	SPR/1984 - AUT/9999	5.0		.		.		.	.	Y	.	.	Y	.	.	Y	.			.
		THE PLANETS									LAST UPDT: 8/16/06		APPROVED: 2/03/75									
							FEE TYPE:1	$15.00	BUDGET:069398		REV OBJ CD:943081											
ASTR	190	TOPICS IN ASTRONOMY	SUM/1997 - AUT/9999	3.0-05.0	10.0	.		.		.	.	.	.	.	Y	.	.	.	.			.
		MODERN TOPICS IN ASTRONOMY FOR NON-SCIENCE MAJORS									LAST UPDT: 2/11/97		APPROVED: 5/01/85									
ASTR	192	SEM PRE ASTR MAJORS	SUM/2011 - AUT/9999	3.0		.		.		.	.	Y	.	.	Y	.	.	.	.			.
		PRE-MAJOR IN ASTRONOMY RESEARCH SEMINAR									LAST UPDT: 5/31/11		APPROVED: 4/25/07									
		COMMENT:ADD FEE					FEE TYPE:1	$20.00	BUDGET:069398		REV OBJ CD:943081											
ASTR	201	THE UNIVERSE	WIN/1974 - AUT/9999	5.0		.		.		.	.	.	.	.	Y	.	.	Y	.			.
		THE UNIVERSE AND THE ORIGIN OF LIFE									LAST UPDT: 4/05/96		APPROVED: 8/01/73									
ASTR	210	DISTANCE AND TIME	AUT/1988 - AUT/9999	5.0		.		.		.	.	.	.	.	Y	.	.	Y	.			.
		DISTANCE AND TIME:SIZE AND AGE IN THE UNIVERSE									LAST UPDT: 3/24/94		APPROVED:12/01/87									
ASTR	211	UNIVERSE AND CHANGE	WIN/1989 - AUT/9999	5.0		.		.		.	.	.	.	.	Y	.	.	Y	.			.
		THE UNIVERSE AND CHANGE									LAST UPDT: 3/24/94		APPROVED:12/01/87									
ASTR	270	PUBLIC OUTRCH ASTRO	AUT/2005 - AUT/9999	3.0		.		.		.	.	.	.	Y	.	Y	.	.	.			.
		PUBLIC OUTREACH IN ASTRONOMY									LAST UPDT: 5/25/05		APPROVED: 5/23/05									
ASTR	300	ASTRO PROGRAMMING	SUM/2011 - SPR/2012	2.0		.		.		.	.	Y	.	.	.	.	.	Y	.			.
		INTRODUCTION TO PROGRAMMING FOR ASTRONOMICAL APPLI									LAST UPDT: 2/06/12		APPROVED: 6/13/06									
		COMMENT:ADD FEE					FEE TYPE:1	$20.00	BUDGET:069398		REV OBJ CD:943081											

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CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
ASTR	300	ASTRO PROGRAMMING	SUM/2012 - AUT/9999	2.0		.		.		.	.	Y		.	.	.	.	Y	.			.
		INTRODUCTION TO PROGRAMMING FOR ASTRONOMICAL APPLI				LAST UPDT: 2/06/12				APPROVED: 6/13/06												
		COMMENT:EMAIL PREQ CHG				FEE TYPE:1		$20.00		BUDGET:069398				REV OBJ CD:943081								
ASTR	301	ASTR FOR SCI & ENGR	SPR/1969 - AUT/9999	3.0		.		.		.	.	.		.	Y	.	.	.	.			.
		ASTRONOMY FOR SCIENTISTS AND ENGINEERS				LAST UPDT:12/20/05																
ASTR	313	SCI&CIV-PHYS&ASTPHY	SPR/1993 - AUT/9999	5.0		.		.		.	.	.		Y	Y	.	.	.	.	HIST	313 HIST 313	.
		SCI IN CIVILIZATION:PHYS & ASTROPHYSICS SINCE 1850				LAST UPDT: 9/08/94				APPROVED:12/09/92												
ASTR	321	SOLAR SYSTEM	AUT/1979 - AUT/9999	3.0		.		.		.	.	.		.	Y	.	.	.	.			.
		THE SOLAR SYSTEM				LAST UPDT: 3/09/94				APPROVED: 2/01/79												
ASTR	322	CONTENT OF GALAXY	AUT/2009 - AUT/9999	3.0		.		.		.	.	.		.	Y	.	.	.	.			.
		THE CONTENTS OF OUR GALAXY				LAST UPDT: 4/17/09				APPROVED: 2/01/79												
		COMMENT:EMAIL PREQ CHG																				
ASTR	323	EXTN GALAXIES COSM	SPR/1980 - AUT/9999	3.0		.		.		.	.	.		.	Y	.	.	.	.			.
		EXTRAGALACTIC ASTRONOMY AND COSMOLOGY				LAST UPDT: 3/09/94				APPROVED: 2/01/79												
ASTR	400	UG RESEARCH SEMINAR	AUT/2010 - AUT/9999	1.0		.	CR/NC	.		.	.	.		.	Y	.	.	.	.			.
		UNDERGRADUATE RESEARCH SEMINAR				LAST UPDT: 2/17/10				APPROVED: 2/16/10												
ASTR	421	STELLAR OBSN THEORY	WIN/2006 - AUT/9999	3.0		.		.		.	.	.		.	Y	.	.	.	.			.
		STELLAR OBSERVATIONS AND THEORY				LAST UPDT: 3/09/05				APPROVED: 6/01/85												
		COMMENT:EMAIL PREREQ CHANGE																				
ASTR	423	HIGH ENERGY ASTROPH	SPR/1987 - AUT/9999	3.0		.		.		.	.	.		.	Y	.	.	.	.			.
		HIGH ENERGY ASTROPHYSICS				LAST UPDT: 3/11/94				APPROVED: 6/01/85												
ASTR	425	COSMOLOGY	WIN/2007 - AUT/9999	3.0		.		.		.	.	.		.	.	.	.	Y	.			.
		COSMOLOGY				LAST UPDT:10/26/06				APPROVED:10/25/06												
ASTR	427	COMPUTATIONAL ASTRO	AUT/2010 - AUT/9999	3.0		.		.		.	.	.		.	Y	.	.	.	.			.
		METHODS OF COMPUTATIONAL ASTROPHYSICS				LAST UPDT: 4/21/10				APPROVED: 4/20/10												
ASTR	480	ASTRO DATA ANALYS	AUT/2009 - AUT/9999	5.0		.		.		.	.	Y		.	Y	.	.	.	.			.
		INTRODUCTION TO ASTRONOMICAL DATA ANALYSIS				LAST UPDT: 5/31/11				APPROVED: 1/24/96												
		COMMENT:EMAIL PREREQ CHANGE				FEE TYPE:1		$20.00		BUDGET:069398				REV OBJ CD:943081								
ASTR	481	ASTRO OBSERVATION	SUM/2008 - AUT/9999	5.0		.		.		.	.	Y		.	Y	.	.	.	.			.
		INTRODUCTION TO ASTRONOMICAL OBSERVATION				LAST UPDT: 5/31/11				APPROVED: 1/24/96												
		COMMENT:EMAIL PREQ CHG				FEE TYPE:1		$20.00		BUDGET:069398				REV OBJ CD:943081								

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CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
ASTR	482	SCIENTIFIC WRITING	SPR/2012 - AUT/9999	2.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		WRITING SCIENTIFIC PAPERS				LAST UPDT:12/07/11				APPROVED: 6/13/06												
		COMMENT:EMAIL PREQ CHG																				
ASTR	497	TOPICS IN ASTRONOMY	WIN/2006 - AUT/9999	1.0-03.0	9.0	.		.		.	.	.	.	.	Y	.	.	.	.			.
		TOPICS IN CURRENT ASTRONOMY				LAST UPDT: 9/01/05				APPROVED:11/01/75												
		COMMENT:EMAIL PREREQ CHANGE																				
ASTR	498	INDEPENDENT STUDY	AUT/2010 - AUT/9999	1.0-03.0	15.0	.	CR/NC	.		.	.	.	.	.	Y	.	.	.	.			.
		INDEPENDENT STUDY				LAST UPDT: 2/17/10				APPROVED: 2/16/10												
ASTR	499	UNDERGRAD RESEARCH	SPR/1976 - AUT/9999	0.0	15.0	Y		.		.	.	.	.	.	.	.	.	.	.			.
		UNDERGRADUATE RESEARCH				LAST UPDT: 4/11/94																
ASTR	500	ASTRONOMY INSTRUCTN	WIN/2007 - AUT/9999	1.0-03.0	5.0	Y	CR/NC	.		.	.	.	.	.	.	.	.	.	.			.
		PRACTICAL METHODS FOR TEACHING				LAST UPDT: 6/21/06				APPROVED:11/01/77												
		COMMENT:CHG TITLES, CRS																				
ASTR	507	ASTROPHYSICS I	SPR/1977 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		PHYSICAL FOUNDATIONS OF ASTROPHYSICS I				LAST UPDT: 0/00/00				APPROVED:11/01/69												
ASTR	508	ASTROPHYSICS II	AUT/1977 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		PHYSICAL FOUNDATIONS OF ASTROPHYSICS II				LAST UPDT: 0/00/00				APPROVED:11/01/69												
ASTR	509	ASTROPHYSICS III	AUT/1993 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		PHYSICAL FOUNDATIONS OF ASTROPHYSICS III				LAST UPDT: 2/23/93				APPROVED: 2/22/93												
ASTR	510	NUCLEAR ASTROPHYSIC	AUT/1998 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	PHYS 554	PHYS 554	.
		NUCLEAR ASTROPHYSICS				LAST UPDT: 2/27/98				APPROVED: 2/25/98												
ASTR	511	GALACTIC STRUCTURE	AUT/1976 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		GALACTIC STRUCTURE				LAST UPDT: 0/00/00																
ASTR	512	EXTRAGALACTIC ASTRN	AUT/1968 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		EXTRAGALACTIC ASTRONOMY				LAST UPDT: 0/00/00																
ASTR	513	COSMOL/PART ASTRPHY	SPR/2009 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COSMOLOGY AND PARTICLE ASTROPHYSICS				LAST UPDT: 5/19/08																
		COMMENT:DROP JOINT STATUS																				
ASTR	519	RADIATIVE PROCESSES	AUT/2005 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		RADIATIVE PROCESSES IN ASTROPHYSICS				LAST UPDT: 3/31/05				APPROVED: 3/29/05												

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CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	EMP	CQSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
ASTR	521	STELLAR ATMOSPHERES	WIN/1978 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		STELLAR ATMOSPHERES				LAST UPDT: 0/00/00																
ASTR	531	STELLAR INTERIORS	AUT/1977 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		STELLAR INTERIORS				LAST UPDT: 0/00/00				APPROVED: 2/01/81												
ASTR	532	STELLAR EVOLUTION	WIN/1978 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		STELLAR EVOLUTION				LAST UPDT: 0/00/00																
ASTR	541	INTERSTELLAR MATTER	AUT/1976 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		INTERSTELLAR MATTER				LAST UPDT: 0/00/00																
ASTR	555	PLANET ATMOS	AUT/2009 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	ASTR 555	ATM S 555	.
		PLANETARY ATMOSPHERES				LAST UPDT: 8/12/09				APPROVED: 9/01/77											ESS 581	
		COMMENT:CHG JOINT STATUS																				
ASTR	557	SOLAR SYSTEM ORIGIN	AUT/2009 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	ASTR 557		.
		ORIGIN OF THE SOLAR SYSTEM				LAST UPDT: 8/12/09				APPROVED: 9/01/77											ESS 583	
		COMMENT:CHG JT STATUS																				
ASTR	561	HIGH ENRGY ASTROPHY	SPR/1968 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		HIGH ENERGY ASTROPHYSICS				LAST UPDT: 0/00/00																
ASTR	575	ASTRON SEMINAR	SPR/1978 - AUT/9999	1.0-02.0	20.0	Y	CR/NC	.		.	.	.	.	.	.	.	.	.	.			.
		SEMINAR IN ASTRONOMY				LAST UPDT: 7/17/06																
ASTR	576	ASTRON COLLOQUIUM	SPR/1978 - AUT/9999	1.0	20.0	Y	CR/NC	.		.	.	.	.	.	.	.	.	.	.			.
		ASTRONOMY COLLOQUIUM				LAST UPDT: 7/17/06																
ASTR	581	TECH OPTICAL ASTRON	SUM/1977 - AUT/9999	5.0		.		.		.	.	Y	.	.	.	.	.	.	.			.
		TECHNIQUES IN OPTICAL ASTRONOMY				LAST UPDT:11/27/06				APPROVED:12/01/86												
						FEE TYPE:1 $10.00 BUDGET:069398 REV OBJ CD:943081																
ASTR	582	TECH RADIO ASTRON	WIN/1979 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		TECHNIQUES IN RADIO ASTRONOMY				LAST UPDT: 0/00/00				APPROVED:11/01/75												
ASTR	597	TOPICS OBS ASTROPHY	AUT/2001 - AUT/9999	1.0-05.0	20.0	Y		.		.	.	.	.	.	.	.	.	.	.			.
		TOPICS IN OBSERVATIONAL ASTROPHYSICS				LAST UPDT:10/04/01				APPROVED:11/01/77												
		COMMENT:DROP CR/NC ONLY																				
ASTR	598	TPCS THEOR ASTRPHYS	SPR/2002 - AUT/9999	1.0-05.0	20.0	Y		.		.	.	.	.	.	.	.	.	.	.			.
		TOPICS IN THEORETICAL ASTROPHYSICS				LAST UPDT:11/28/01				APPROVED:11/01/77												
		COMMENT:DROP CR/NC ONLY																				

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CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	EMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
ASTR	599	ASTRONOMY SEMINAR	AUT/1996 - AUT/9999	1.0-03.0	6.0	.		.		.	.	.	.	.	.	.	.	.	.			.
		ADVANCED ASTRONOMY SEMINAR			LAST UPDT: 1/16/96 APPROVED:11/29/95																	
ASTR	600	INDEPNDNT STDY/RSCH	SUM/1969 - AUT/9999	0.0	999.0	.		.	11	.	.	.	.	.	.	.	.	.	.			.
		INDEPENDENT STUDY OR RESEARCH			LAST UPDT: 4/19/10																	
ASTR	700	MASTERS THESIS	SUM/1970 - AUT/9999	0.0	999.0	.		.	11	.	.	.	.	.	.	.	.	.	.			.
		MASTERS THESIS			LAST UPDT: 4/19/10 APPROVED: 1/01/70																	
ASTR	800	DOCTORAL DISSERTATN	AUT/1970 - AUT/9999	0.0	999.0	.		.	11	.	.	.	.	.	.	.	.	.	.			.
		DOCTORAL DISSERTATION			LAST UPDT: 4/19/10 APPROVED: 1/01/70																	