	MAE 3													
	MANE			Dep	t?			May PDF?	N					
		305		Υ				May Audit?	N					
		301		N .				Assignments						
itle	Mathen	natics in	Enginee	ring I				Website						
opic ubletter		-						Final Exam Typ		1-				
	A troots	mont of t	the thee	ry of c	differentie	l oquations	Tho	Grading	Perc	Type				
Description	objectiv		rovide tl	ne stu	dent with	equations. an ability to		Sample Readin List		or Nan e & Dil			ary Differe	ntial Equations
Sections	Format	Number	Status	山区	SCORE	Meetings					Instruct		,	
				Max. Enrollment	Number	Beg. Time	End Time	Place	Days Day	TBA?	First		Middle	Last
	L	01	0	120	20079	11:00:00	11:50:00	BOWEN 222	M	N	Mort		Daniel	Kostin
									W		Zher	ıg		Chen
									F		Ragh	avendra	Pradeep	Kukillaya
											Zhar	ihua		Ma
Course Codes		Number	Sublette	Dep				Max. Enrollmer May PDF?	nt 60					
		221		Υ				May Audit?	N					
<u> Fitle</u>	Thermo	odynamic	S					Assignments				nments a	ind problem	n sets, about 9
Горіс		_							hour	s per v	reek.			
Subletter								Website						
Description						ncepts of ene		Final Exam Typ						
						a macroscop	oic	Grading	Perc					
						and chemical	ad fival		20	_	erm Exam			
			dications		idines, ne	eat pumps, ai	ia ruei		40		Exam			
	cells. Ir	the lab	oratory,	stude	nts will ca	arry out expe	riments		40		em Set(s)			
	cells. Ir in the f	the lab	oratory, analog el	stude lectroi	nts will ca nics and t	arry out expe hermodynam	riments ics. FOR	Sample Readin	g Auth	or Nan	ne	Title		
	cells. Ir in the f MAE CO will be which i	n the labe ields of a DNCENTF issued in ncludes t	oratory, analog el RATORS the spri	stude lectroi ONLY ing lat	nts will cand to a combinate or combinate or a combinate or a combinate or a combinate or a comb	arry out expe	riments lics. FOR ry grade 24,	Sample Readin List	g Auth		ne	Fundam	entals of Ei	
Sartions	cells. In in the f MAE CO will be which i MAE 22	n the labe ields of a DNCENTF issued in ncludes to 24.	oratory, analog el RATORS the spri the labor	stude lectror ONLY ing lat	nts will can nics and to nics and to nics and to nics and to nics will can work of to	arry out expe hermodynamined laborato course MAE 2 both MAE 22	riments lics. FOR ry grade 24,		g Auth	or Nan	ne lapiro	Fundam Thermo		
Sections	cells. In in the f MAE CO will be which i MAE 22	n the labe ields of a DNCENTF issued in ncludes to 24.	oratory, analog el RATORS the spri the labor	stude lectror ONLY ing lat	nts will can ics and to a combi- coratory of work of b	hermodynam ned laborato course MAE 2 both MAE 22	riments nics. FOR ry grade 24, I and	List	g Auth Mora	or Nam n & Sh	ne lapiro	Fundam Thermo	dynamics, 5	5th Ed.
Sections	cells. In in the f MAE CO will be which i MAE 22	n the labe ields of a DNCENTF issued in ncludes t	oratory, analog el RATORS the spri the labor	stude lectror ONLY ing lat	nts will can nics and to nics and to nics and to nics and to nics will can work of to	arry out expe hermodynamined laborato course MAE 2 both MAE 22	riments lics. FOR ry grade 24,		g Auth	or Nan	ne lapiro	Fundam Thermo		
Sections	cells. In in the f MAE CO will be which i MAE 22	n the labe ields of a DNCENTF issued in ncludes to 24.	oratory, analog el RATORS the spri the labor	stude lectror ONLY ing lat	nts will can ics and to a combi- coratory of work of b	hermodynam ned laborato course MAE 2 poth MAE 22 Meetings Beg. Time	riments pics. FOR ry grade 24, I and End Time	List	g Auth Mora	or Nam n & Sh	ne lapiro	Fundam Thermon	dynamics, 5	5th Ed.
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the lab ields of a DNCENTF issued in ncludes to 24.	oratory, analog el RATORS the spri the labor	ectroi ONLY ing lateratory Max.	nts will ca nics and t nics and t nics and t nics and t work of t SCORE Number	hermodynam ned laborato course MAE 2 poth MAE 22 Meetings Beg. Time	riments pics. FOR ry grade 24, I and End Time	Place	Auth Mora Days Day	n & Sh	Instruct First  Mich Syed	Fundam Thermo	dynamics, 5	Last Vocaturo Zaidi
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the labilities of a DNCENTF issued in ncludes 124.  Number	oratory, analog el RATORS the spri the labor	stude lectror ONLY ing lab ratory Enrollment 12	nts will canics and the composition of the composi	mary out expe hermodynam ned laborato course MAE 2 poth MAE 22 <sup></sup> Meetings Beg. Time 13:30:00	riments iics. FOR ry grade 24, I and End Time	Place EQUAJ J209	Days Day M	or Nam n & Sh TBA?	Instruct First  Mich Syed Grun	Fundam Thermon	Middle  Sohail	Last  Vocaturo Zaidi  Jomaas
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the lab ields of a DNCENTF issued in ncludes to 24.	oratory, analog el RATORS the spri the labor	ectroi ONLY ing lateratory Max.	nts will ca nics and t nics and t nics and t nics and t work of t SCORE Number	mary out expe hermodynam ned laborato course MAE 2 poth MAE 22 <sup></sup> Meetings Beg. Time 13:30:00	riments iics. FOR ry grade 24, I and End Time	Place	Auth Mora Days Day	n & Sh	Instruct First  Mich Syed  Grun  Mich Syed	Fundam Thermoors ors ael de ael	Middle  Sohail	Last Vocaturo Zaidi
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the laborate in the laborate	oratory, analog el RATORS the spri the labor  Status  O  X	stude ectror ONLY Max.  Enrollment 12	nts will carries and training and and training and training and training and training and traini	meetings Beg. Time  13:30:00	riments ics. FOR ry grade 24, 1 and End Time 16:20:00	Place EQUAJ J209 EQUAJ J209	Days Day M	TBA?	Instruct First  Mich Syed  Grun  Mich Syed  Grun  Grun  Grun  Grun  Grun  Grun  Grun  Grun  Grun  Grun	Fundam Thermoors ors ael de ael	Middle  Sohail Hamid  Sohail	Last Vocaturo Zaidi Jomaas Vocaturo Zaidi Jomaas Jomaas Jomaas
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the labilities of a DNCENTF issued in ncludes 124.  Number	oratory, analog el RATORS the spri the labor	stude lectror ONLY ing lab ratory Enrollment 12	nts will canics and the composition of the composi	meetings Beg. Time  13:30:00	riments ics. FOR ry grade 24, 1 and End Time 16:20:00	Place EQUAJ J209	Days Day M	or Nam n & Sh TBA?	Instruct First  Mich Syed Grun Mich Syed Grun Mich Mich Syed	Fundam Thermoo	Middle  Sohail Hamid  Sohail Hamid	Last Vocaturo Zaidi Jomaas Vocaturo Zaidi Jomas Vocaturo Zaidi Jomas Vocaturo Vocaturo
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the laborate in the laborate	oratory, analog el RATORS the spri the labor  Status  O  X	stude ectror ONLY Max.  Enrollment 12	nts will carries and training and and training and training and training and training and traini	meetings Beg. Time  13:30:00	riments ics. FOR ry grade 24, 1 and End Time 16:20:00	Place EQUAJ J209 EQUAJ J209	Days Day M	TBA?	Instruct First  Mich Syed  Grun  Mich Syed  Grun  Grun  Grun  Grun  Grun  Grun  Grun  Grun  Grun  Grun	Fundam Thermoo	Middle  Sohail Hamid  Sohail Hamid	Last  Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Jomaas Jomaas Jomaas
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the laborate in the laborate	oratory, analog el RATORS the spri the labor  Status  O  X	stude ectror ONLY Max.  Enrollment 12	nts will carries and training and and training and training and training and training and traini	meetings Beg. Time  13:30:00	riments ics. FOR ry grade 24, 1 and End Time 16:20:00	Place EQUAJ J209 EQUAJ J209	Days Day M	TBA?	Instruct First  Mich Syed  Grun Mich Syed  Grun Mich Syed	Fundam Thermoors ors ael de ael	Middle  Sohail Hamid  Sohail Hamid  Sohail Hamid	Last  Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Jomaas Vocaturo Zaidi
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the laborated in the laborated in the laborated in laborated in ncludes in laborated in labora	oratory, nalog el RATORS the springer the labor  Status  O  X	stude ectror ONLY mg lat atory  Enrollment 12  12	nts will carries and transfer of the carries and transfer of the carries of the c	mary out expehermodynam ned laborato course MAE 22 ooth MAE 22 ooth MAE 32 meetings  Beg. Time  13:30:00  13:30:00	riments ics. FOR ry grade 24, 1 and End Time 16:20:00 16:20:00	Place EQUAJ J209 EQUAJ J209 EQUAJ J209	g Auth Mora	TBA?	Instruct First  Mich Syed  Grun Mich Syed  Grun Mich Syed  Grun Emai	Fundam Thermoors ors ael de ael de ael	Middle  Sohail Hamid  Sohail Hamid	Last  Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Jomass Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Stockman
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the laborate in the laborate	oratory, analog el RATORS the spri the labor  Status  O  X	stude ectror ONLY Max.  Enrollment 12	nts will carries and training and and training and training and training and training and traini	mary out expehermodynam ned laborato course MAE 22 ooth MAE 22 ooth MAE 32 meetings  Beg. Time  13:30:00  13:30:00	riments ics. FOR ry grade 24, 1 and End Time 16:20:00 16:20:00	Place EQUAJ J209 EQUAJ J209	Days Day M	TBA?	Instruct First  Mich Syed  Grun Mich Syed  Grun Mich Syed	Fundam Thermon	Middle  Sohail Hamid  Sohail Hamid  Sohail Hamid	Last  Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Jomaas Vocaturo Zaidi
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the laborated in the laborated in the laborated in laborated in ncludes in laborated in labora	oratory, nalog el RATORS the springer the labor  Status  O  X	stude ectror ONLY mg lat atory  Enrollment 12  12	nts will carries and transfer of the carries and transfer of the carries of the c	mary out expehermodynam ned laborato course MAE 22 ooth MAE 22 ooth MAE 32 meetings  Beg. Time  13:30:00  13:30:00	riments ics. FOR ry grade 24, 1 and End Time 16:20:00 16:20:00	Place EQUAJ J209 EQUAJ J209 EQUAJ J209	g Auth Mora	TBA?	Instruct First  Mich Syed  Grun Mich Syed  Email Mich Syed	Fundam Thermon	Middle  Sohail Hamid  Sohail Hamid  Sohail Hamid  Sohail Hamid  Sohail Sohail Sohail Solomon	Last Vocaturo Zaidi Jomas Vocaturo Zaidi Jomas Vocaturo Zaidi Jomas Vocaturo Zaidi Stockman Vocaturo
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the laborated in the laborated in the laborated in laborated in ncludes in laborated in labora	oratory, nalog el RATORS the springer the labor  Status  O  X	stude ectror ONLY mg lat atory  Enrollment 12  12	nts will carries and transfer of the carries and transfer of the carries of the c	mary out expehermodynam ned laborato ned laborato course MAE 22 ooth MAE 22.  Meetings Beg. Time  13:30:00  13:30:00	riments ics. FOR ry grade 24, 1 and End Time 16:20:00 16:20:00	Place EQUAJ J209 EQUAJ J209 EQUAJ J209	Days Day  M  T	TBA?	Instruct First  Mich Syed  Grun Mich Syed  Email Mich Syed	Fundam Thermon	Middle  Sohail Hamid  Sohail Hamid  Sohail Hamid  Sohail Hamid  Sohail Sohail Sohail Solomon	Last  Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Stockman Vocaturo Zaidi
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	on the labeled the labeled to facilities of a point of the labeled	oratory, inalog el RATORS in the sprithe labor of Status  O X  O O	stude ectroi ONLY Max.  Enrollment 12  12  12	nts will calcius and transcription of the control o	mary out expehermodynam ned laborato course MAE 2 coth MAE 22.  Meetings Beg. Time  13:30:00  13:30:00  10:00:00	riments ics. FOR ry grade 24, 1 and End Time 16:20:00 16:20:00	Place  EQUAJ J209  EQUAJ J209  EQUAJ J209  EQUAJ J209  FRIEN 004	g Auth Mora Days Day M	TBA?	Instruct First  Mich Syed  Grun Mich Syed  Grun Mich Syed  Emai Mich Syed  Chur	Fundam Thermon	Middle  Sohail Hamid  Sohail Hamid  Sohail Hamid  Sohail Hamid  Solomon	Last  Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Stockman Vocaturo Zaidi  Pao
Sections	cells. Ir in the f MAE CC will be which i MAE 22 Format	n the laborated in the laborated in the laborated in laborated in natural states of a laborated in laborated	oratory, analog el RATORS the sprithe labor of Status  O	only for the state of the state	nts will calcies and to a combine of the calcies and to a combine of the calcies and to a combine of the calcies and to a calcies of the calc	mary out expehermodynam ned laborato course MAE 2 coth MAE 22.  Meetings Beg. Time  13:30:00  13:30:00  10:00:00	riments ics. FOR ry grade 24, and Time 16:20:00 16:20:00 10:50:00	Place  EQUAJ J209  EQUAJ J209  EQUAJ J209  EQUAJ J209  FRIEN 004	g Auth Mora Days Day M T Th	TIBA?	Instruct First  Mich Syed  Grun Mich Syed  Grun Mich Syed  Emai Mich Syed  Chur Dani	Fundam Thermon	Middle  Sohail Hamid  Sohail Hamid  Sohail Hamid  Mark	Last  Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Jomaas Vocaturo Zaidi  Stockman Vocaturo Zaidi  Stockman Vocaturo Zaidi  Nosenchuck

		Varriber	Sublette					Max. Enrollmen						
				Dep	ot?			May PDF?	Υ					
	MAE :	223		Υ				May Audit?	Υ					
	CEE	323		N				Assignments	Weekl	v home	work as	sianmen	ts, accounts	for 30% of the
Title	Modern	Solid M	echanics					3						5% of the final
Topic									grade.					
Subletter								Website						
Description	Fundar	nental n	inciples	of sol	id mechai	nics: equilibri	ıım	Final Exam Typ	pe Final					
						ress, strain,		Grading		Туре				
	law, to	rsion, be	am bend	ling a	nd deflect	tion, and ana	lysis of	ŭ			m Exam			
	stress	and defo	rmation	in sim	ple struct	tures. Integra	ates			Final E				
	aspects	s of solid	mechan	ics th	at have a	pplications to	)		5	Quizze	S			
						engines and					n Set(s)			
						edical devices	s (thin	Sample Readin				Title		
					pics inclu			List	E.J. He				ics of Materi	ials, Volumes 1 8
	concen	tration, 1	racture,	plasti	city, fatig	ue, visco-ela:	sticity		2.51 110	Juiii		(Pergar		idio, voidinos i c
						nthesizes des			J.P. De	n Hart	oa		ics (Dover)	
			nathema	tical th	neories, a	nd engineerii	ng		5	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.09	mooria	(2010.)	
	conseq	uences.	1-											
Sections	Format	Numbe	rStatus	Ma:	SCORE	Meetings		1	_		Instruct	ors	T	1
				<u></u>	Number	Beg.	End	Place	Days	TBA?	First		Middle	Last
				nei		Time	Time		Day	.5				
				<b>≓</b>										
	L	01	0	60	20080	11:00:00	12:20:00		<u>T</u>	N	Mikke		Petteri	Haataja
								D221	Th		Yong			Yang
Course Codes	Codo	Number	Sublette	r Uor	mo			Max. Enrollme	nt 60					
course coues	Code	vuilibei	Jubiette	Dep				May PDF?	N	_				
	-				, c .					_				
	MAF	221		V				May Audit2						
Title		331 Flight D	lynamics	ı				May Audit?	N Mix of	problo	m cote a	nd chart	nrojecte	
		331 t Flight D	ynamics	ı				Assignments	_	proble	m sets a	nd short	projects.	
Title Topic Subletter			ynamics	ı				Assignments Website	Mix of	proble	m sets a	nd short	t projects.	
Topic Subletter	Aircraf	t Flight D		<u>  T</u>	nce stabil	lity, and cont	rol of	Assignments Website Final Exam Typ	Mix of pe Final		m sets a	nd short	projects.	
Topic	Aircraft	Flight D	the perf	ormar		lity, and cont		Assignments Website	Mix of Perc.	Туре			t projects.	
Topic Subletter	Aircraft  Introdu	I Flight Duction to	the perf	ormar	figuration	aerodynami	cs.	Assignments Website Final Exam Typ	Mix of  pe Final  Perc.  20	Type MidTer	m Exam		t projects.	
Topic Subletter	Aircraft Introdu aircraft Method	action to Fundards for an	the performentals of	ormar	figuration namics of		cs. tems.	Assignments Website Final Exam Typ	pe Final Perc. 20 35	Type MidTer Final E	m Exam		t projects.	
Topic Subletter	Aircraft  Introdu aircraft Method Charac	t Flight Duction to E. Fundards for anoterization	the performentals of alyzing the of mod	ormar of con he dyi	figuration namics of motion a	aerodynami physical syst	cs. tems. flying	Assignments Website Final Exam Typ	Mix of  pe Final  Perc. 20 35 10	Type MidTer Final E	m Exam xam t Particip		t projects.	
Topic Subletter	Aircraft  Introdu aircraft Method Charac	t Flight Duction to E. Fundards for anoterization	the performentals of alyzing the of mod	ormar of con he dyi	figuration namics of motion a	aerodynami physical syst nd desirable t	cs. tems. flying	Assignments Website Final Exam Tyl Grading	pe Final Perc. 20 35 10 35	Type MidTer Final E Precep Probler	m Exam xam t Particip m Set(s)	pation	t projects.	
Topic Subletter	Aircraft  Introdu aircraft Method Charac	t Flight Duction to E. Fundards for anoterization	the performentals of alyzing the of mod	ormar of con he dyi	figuration namics of motion a	aerodynami physical syst nd desirable t	cs. tems. flying	Assignments Website Final Exam Tyl Grading Sample Readir	mix of Final Perc. 20 35 10 35 ag Author	Type MidTer Final E: Precep Probler Name	m Exam xam t Particip m Set(s)	pation Title		poeton Universit
Topic Subletter	Aircraft  Introdu aircraft Method Charac	t Flight Duction to E. Fundards for anoterization	the performentals of alyzing the of mod	ormar of con he dyi	figuration namics of motion a	aerodynami physical syst nd desirable t	cs. tems. flying	Assignments Website Final Exam Tyl Grading	pe Final Perc. 20 35 10 35	Type MidTer Final E: Precep Probler Name	m Exam xam t Particip m Set(s)	Title	Dynamics, Pri	nceton Universit
Topic Subletter	Aircraft  Introdu aircraft Method Charac	t Flight Duction to E. Fundards for anoterization	the performentals of alyzing the of mod	ormar of con he dyi	figuration namics of motion a	aerodynami physical syst nd desirable t	cs. tems. flying	Assignments Website Final Exam Tyl Grading Sample Readir	Mix of Perc. 20 35 10 35 40 Author R. Stel	Type MidTer Final E Precep Probler Name	m Exam xam t Particip m Set(s)	Title Flight D Press, 2	Dynamics, Pri 2004	
Topic Subletter	Aircraft  Introdu aircraft Method Charac	t Flight Duction to E. Fundards for anoterization	the performentals of alyzing the of mod	ormar of con he dyi	figuration namics of motion a	aerodynami physical syst nd desirable t	cs. tems. flying	Assignments Website Final Exam Tyl Grading Sample Readir	Mix of  Perc. 20 35 10 35 quad Author R. Ster	Type MidTer Final E Precep Probler Name	m Exam xam t Particip m Set(s)	Title Flight D Press, 2	Dynamics, Pri	
Topic Subletter Description	Introdu aircraft Method Charac qualitie	action to Lection to Fundar ds for and terization	the perfinentals of alyzing the of mod studies in	ormar of con he dyi les of n aircr	figuration namics of motion a raft stabili	aerodynami physical syst nd desirable t ity and contro	cs. tems. flying	Assignments Website Final Exam Tyl Grading Sample Readir	Mix of Perc. 20 35 10 35 40 Author R. Stel	Type MidTer Final E Precep Probler Name	m Exam xam t Particip n Set(s)	Title Flight D Press, 2 Airplane	Dynamics, Pri 2004	
Topic Subletter Description	Aircraft  Introdu aircraft Method Charac	action to Lection to Fundar ds for and terization	the perfinentals of alyzing the of mod studies in	ormar of con he dyi les of n aircr	figuration namics of motion a raft stabili	derodynamic physical system of desirable of the and control	cs. tems. flying bl.	Assignments Website Final Exam Typ Grading Sample Readin List	Mix of Final Perc. 20 35 10 35 10 R. Ster M.J. A Larrab	Type MidTer Final E Precep Probler Name ngel bzug a	m Exam xam t Particip m Set(s) mnd E.E.	Title Flight D Press, 2 Airplane	Dynamics, Pri 2004 e Stability an	d Control
Topic Subletter Description	Introdu aircraft Method Charac qualitie	action to Lection to Fundar ds for and terization	the perfinentals of alyzing the of mod studies in	ormar of con he dyi les of n aircr	figuration namics of motion a raft stabili	derodynami physical syst and desirable to ity and control	cs. tems. flying ol.	Assignments Website Final Exam Tyl Grading Sample Readir	Mix of pee Final Perc. 20 35 10 35 Author R. Ster M.J. A Larrab	Type MidTer Final E Precep Probler Name ngel bzug a	m Exam xam t Particip n Set(s)	Title Flight D Press, 2 Airplane	Dynamics, Pri 2004	
Topic Subletter Description	Introdu aircraft Method Charac qualitie	action to Lection to Fundar ds for and terization	the perfinentals of alyzing the of mod studies in	ormar of con he dyi les of n aircr	figuration namics of motion a raft stabili	derodynamic physical system of desirable of the and control	cs. tems. flying bl.	Assignments Website Final Exam Typ Grading Sample Readin List	Mix of Final Perc. 20 35 10 35 10 R. Ster M.J. A Larrab	Type MidTer Final E Precep Probler Name	m Exam xam t Particip m Set(s) mnd E.E.	Title Flight D Press, 2 Airplane	Dynamics, Pri 2004 e Stability an	d Control
Topic Subletter	Introdu aircraft Method Charac qualitie	I Flight D  Iction to I. Fundar  S for and terization Ictions. Case:	the perfinentals of alyzing the of mod studies in	ormar ormar ormar ormar es of n aircr	figuration namics of motion ar raft stabili SCORE Number	Meetings  Beg. Time	End	Assignments Website Final Exam Typ Grading  Sample Readir List  Place	Mix of Dee Final Perc. 20 35 10 35 10 R. Stel M.J. A Larrab Days Day	Type MidTer Final E: Precep Probler Name ngel bzug a ee	m Exam xam t Particip m Set(s)  and E.E.  Instruct First	Title Flight D Press, 2 Airplane	Dynamics, Pri 2004 e Stability an	d Control
Topic Subletter Description	Introdu aircraft Method Charac qualitie	action to Lection to Fundar ds for and terization	the perfinentals of alyzing the of mod studies in	ormar of con he dyi les of n aircr	figuration namics of motion a raft stabili	derodynami physical syst and desirable to ity and control	End	Assignments Website Final Exam Typ Grading  Sample Readir List  Place  EQUAD	Mix of Perc.   20   35   10   35   10   Author R. Ster M.J. Al Larrab  Days Day	Type MidTer Final E Precep Probler Name ngel bzug a	m Exam xam t Particip m Set(s)  ind E.E.  Instruct First	Title Flight D Press, 2 Airplane	Dynamics, Pri 2004 e Stability an Middle	Last Taylor
Topic Subletter Description	Introdu aircraft Method Charac qualitie	I Flight D  Iction to I. Fundar  S for and terization  S. Case:	the perfinentals of alyzing the of mod studies in	ormar ormar ormar ormar es of n aircr	figuration namics of motion ar raft stabili SCORE Number	Meetings  Beg. Time	End	Assignments Website Final Exam Typ Grading  Sample Readir List  Place	Mix of Dee Final Perc. 20 35 10 35 10 R. Stel M.J. A Larrab Days Day	Type MidTer Final E: Precep Probler Name ngel bzug a ee	m Exam xam t Particip m Set(s)  nd E.E.  Instruct First	Title Flight D Press, 2 Airplane ors	Dynamics, Pri 2004 e Stability an	Last Taylor Stengel
Topic Subletter Description	Introdu aircraft Method Charac qualitie	I Flight D  Iction to I. Fundar  S for and terization  S. Case:	the perfinentals of alyzing the of mod studies in	ormar ormar ormar ormar es of n aircr	figuration namics of motion ar raft stabili SCORE Number	Meetings  Beg. Time	End	Assignments Website Final Exam Typ Grading  Sample Readir List  Place  EQUAD	Mix of Perc.   20   35   10   35   10   Author R. Ster M.J. Al Larrab  Days Day	Type MidTer Final E: Precep Probler Name ngel bzug a ee	m Exam xam t Particip m Set(s)  ind E.E.  Instruct First	Title Flight D Press, 2 Airplane ors	Dynamics, Pri 2004 e Stability an Middle	Last Taylor Stengel

Title Topic				Dep	17			Max. Enrollment May PDF?	N						
	MAE 3	321		Y	, t :			May Audit?	N		_				
Tonic		ering Des	ign					Assignments	_		na from	referen	ces and i	notes. One i	major project. La
TOPIC			-												. The project wil
Subletter															system design,
Description	Focus o	n engine	ering fu	ndam	entals, d	esign process	es and		C	onstru	uction	and devi	ce fabric	ation.	
						election and o	design,	Website							
						esign and		Final Exam Typ							
						Parametric-o		Grading	_		Туре				
						es are introdu			2			m Exam			
						ction in basic yping methoc			2			Project(			
						Teams of stu			2			ome Fin	al Exam		
						the complete			10		Lab Re				
						ngineering th		0 1 5 11	1!			n Set(s)	T111		
	optimiz	ation, pro	totype,	and t	est. Desc	ription contir	nued in	Sample Readin List			Name		Title		
	Other I	nformatio	n.					LIST			y and N	/liscne			ring Design
									IV	1.F. A:	snby			s Selection	in Mechanical
Sections	Format	Number	Ctatue	m z	SCORE	Meetings						Instruct	Design		
Sections	FUIIIat	Number	Status	Max. Enro	Number	Beg.	End	Place	Days	c	П	First	UIS	Middle	Last
				Max. Enrollment	. varibei	Time	Time	i idec		ay Oay	TBA?	riist		wiiddie	Last
				ien.		THITC	711110		U	.uy	,>				
	В	01	Χ	<b>→</b>	20065	13:30:00	16:20:00	EQUAC C119	M	1	N	Glenr	1	Arther	Northey
	j	31	^	13	20003	10.00.00	10.20.00	20/10 0117	10		''	Guog		, ii ti ici	Fu
	В	02	0	15	20066	13:30:00	16:20:00	EQUAC C119	Т		N	Glenr		Arther	Northey
	١	32		13	20000	10.00.00	10.20.00	20/10 0117			''	Jianb		, ii ti ioi	Chen
	В	03	0	15	20067	13:30:00	16:20:00	EQUAC C119	W	V	N	Glenr		Arther	Northey
	_				20007	10.00.00	10.20.00	240/10 0117		-		Jun	•	7 11 11 101	Song
	В	04	0	15	20068	13:30:00	16:20:00	EQUAC C119	Т	h	N	Glenr	1	Arther	Northey
	В	05	0	15	20069			EQUAC C119	F		N	Glenr		Arther	Northey
	L	01	0	59	20070			FRIEN 004	Т		N	Wins		Oluwole	Soboyejo
	_		_						T		1				,-,-
														•	•
Course Codes	Code N	Number 5	Sublette					Max. Enrollme	nt 5	5					
				Dep	it?			May PDF?	Y						
	MAE	224		V				N A A 1140	V						
Titlo		324	onortio	Y of M	atorials			May Audit?	Y	/ I-I-					
Title		324 re and Pr	operties	Y s of M	aterials			May Audit? Assignments					question	n cards, and	reading in
Topic			operties	Y of M	aterials			Assignments			y probl		questior	n cards, and	reading in
Topic Subletter	Structu	re and Pr				adad to satisfi	v the	Assignments Website	re	eferer			question	n cards, and	reading in
Topic Subletter	Structu	re and Pr	terials b	ackgr	ound nee	eded to satisf		Assignments Website Final Exam Typ	ne Fi	eferer	nce tex		question	n cards, and	reading in
Topic Subletter	Structu Provide departr	re and Pr	terials b	ackgr	ound nee	Relates prope		Assignments Website	pe Fi	inal erc.	Type	ts.	question	n cards, and	reading in
Topic Subletter	Provide departr metals,	es the mannent requalloys, p	terials b	ackgr	ound need is area. F	Relates prope	rties of	Assignments Website Final Exam Typ	pe Fi	inal erc.	Type MidTer	m Exam	question	n cards, and	reading in
Topic Subletter	Provide departr metals, semicor microso	es the ma ment requalloys, p inductors, copic structure.	terials buirement olymers and ce	ackgr t in the com- ramic	ound need is area. If posite means to their sepecial	Relates prope aterials, atomic level materials prop	rties of and perties to	Assignments Website Final Exam Typ	pe Fi	inal erc. 7	Type MidTer Final E	m Exam	question	n cards, and	reading in
Topic Subletter	Provide departr metals, semicor microso their ex	es the ma ment requ alloys, p nductors, copic structure	terials buiremen olymers and ce cture. R	ackgrat in the community c	ound need is area. If posite means to their sepecial	Relates prope aterials, atomic level	rties of and perties to	Assignments Website Final Exam Typ	pe Fi	inal erc. 100 I	Type MidTer Final Ex	m Exam		n cards, and	reading in
Topic Subletter	Provide departr metals, semicor microso their ex	es the ma ment requalloys, p inductors, copic structure.	terials buiremen olymers and ce cture. R	ackgrat in the community c	ound need is area. If posite means to their sepecial	Relates prope aterials, atomic level materials prop	rties of and perties to	Assignments Website Final Exam Typ	re Fi Po 20 41 20	inal erc. 0 I	Type MidTer Final Ex Other E	m Exam		n cards, and	reading in
Topic Subletter	Provide departr metals, semicor microso their ex	es the ma ment requ alloys, p nductors, copic structure	terials buiremen olymers and ce cture. R	ackgrat in the community c	ound need is area. If posite means to their sepecial	Relates prope aterials, atomic level materials prop	rties of and perties to	Assignments Website Final Exam Typ	ree Fi Pi 20 41 20 5 1!	inal erc. 50 F	Type MidTer Final Ex Other E	m Exam xam Exam t Particip m Set(s)		n cards, and	reading in
Topic Subletter	Provide departr metals, semicor microso their ex	es the ma ment requ alloys, p nductors, copic structure	terials buiremen olymers and ce cture. R	ackgrat in the community c	ound need is area. If posite means to their sepecial	Relates prope aterials, atomic level materials prop	rties of and perties to	Assignments Website Final Exam Tyl Grading	ree Fi De Fi 20 40 20 5 11	inal erc. 50 F	Type MidTer Final E: Other E Precep Probler Name	m Exam xam Exam t Particip m Set(s)	ation		reading in
Topic Subletter Description	Provide departr metals, semicoso their ex this wit	es the ma ment requ alloys, p nductors, copic structure	terials b viremen olymers and ce cture. R i in adv. examp	ackgratin the communication of	ound need is area. If posite means to their sepecial	Relates prope aterials, atomic level materials prop	rties of and perties to	Assignments Website Final Exam Tyl Grading Sample Readir	ree Fi De Fi 20 40 20 5 11	inal erc. 0 I 0 I 5 I uthor	Type MidTer Final E: Other E Precep Probler Name	m Exam xam Exam t Particip m Set(s)	ation Title Material		
Topic Subletter Description	Provide departr metals, semicoso their ex this wit	es the mannent requalloys, productors, copic structure ploitation	terials b viremen olymers and ce cture. R i in adv. examp	ackgratin the communication of	ound need is area. If posite most to their sepecial is technological technological in the sepecial is the sepecial in the sepecial in the sepecial is the sepecial in the sepe	Relates prope aterials, atomic level materials pro gy and will ill	rties of and perties to	Assignments Website Final Exam Tyl Grading Sample Readir	ree Fi De Fi 20 40 20 5 11	inal erc.  0   I 0   I 0   I 5   I uthor	Type MidTer Final E: Other E Precep Probler Name	m Exam xam Exam t Particip n Set(s)	ation Title Material		
Topic Subletter Description	Provide departr metals, semicoso their ex this wit	es the mannent requalloys, productors, copic structure ploitation	terials b viremen olymers and ce cture. R i in adv. examp	ackgratin the communication of	ound need is area. If posite me to their some stotheir some special in technological score.	Relates properaterials, atomic level materials properaterials properaterials properaterials materials properaterials materials properaterials materials mate	rties of and perties to ustrate	Assignments Website Final Exam Tyj Grading  Sample Readir List	De Find Properties of the prop	inal erc.  0   I 0   I 0   I 5   I uthor	Type MidTer Final E: Other E Precep Probler Name	m Exam xam Exam t Particip n Set(s)	ation Title Material	s Science &	Engineering
Topic Subletter Description	Provide departr metals, semicoso their ex this wit	es the mannent requalloys, productors, copic structure ploitation	terials buiremen olymers and ce cture. R in adv.	ackgr t in the com- ramics elates anced les.	ound need is area. If posite me to their some stotheir some special in technological score.	Relates properaterials, atomic level materials proggy and will ill Meetings  Beg.	rties of and perties to ustrate	Assignments Website Final Exam Tyj Grading  Sample Readir List	De Find Properties of the prop	inal erc. 0 I 0 I 0 I 5 I uthor	Type MidTer Final E: Other E Precep Probler Name	m Exam xam Exam t Particip n Set(s) Instruct	ation Title Material ors	s Science &	Engineering
	Provide departr metals, semicoso their ex this wit	es the mannent requalloys, productors, copic structure ploitation	terials buiremen olymers and ce cture. R in adv.	ackgratin the communication of	ound need is area. If posite me to their some stotheir some special in technological score.	Relates proper aterials, atomic level materials proper and will ill Meetings  Beg. Time	rties of and perties to ustrate	Assignments Website Final Exam Tyj Grading  Sample Readir List  Place  EQUAD	De Find Properties of the prop	inal erc. 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Type MidTer Final E: Other E Precep Probler Name	m Exam xam Exam t Particip n Set(s)	ation Title Material ors	s Science &	Engineering
Topic Subletter Description	Provide departr metals, semicoso their ex this wit	es the ma ment requ alloys, p nductors, copic stru ploitation h specific	terials buirement olymers and ce cture. Re in adv. examp	ackgr t in the com- ramics elates anced les.	ound need is area. If posite me s to their s special it technology score in the special is special in the speci	Relates proper aterials, atomic level materials project materials project and will ill meetings  Meetings  Beg. Time  13:30:00	end Time	Assignments Website Final Exam Tyj Grading  Sample Readir List  Place  EQUAD D221	Days	inal erc. 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Type MidTer Final E: Other E Precepi Probler Name er	m Exam xam Exam t Particip n Set(s) Instruct	ation Title Material ors	s Science &	Engineering Last

The first half of the course deals with one-dimensional compressible flows, with special emphasis on jet propulsion applications. The second half of the course deals with aerodynamics of two and three-dimensional wings and bodies, concepts of thrust. Ift and draig (frictional and lift-induced). Homework will include design problems and computational examples.  Format Number Status T S SCORE Meetings  L 01 0 50 20071 10:00:00 10:50:00 EQUAD M. Anderson S. Arbordynamics Course Codes Code Number Subletter Home Dept?  MAE 501 Y  Mathematical Methods of Engineering Analysis I Depter New York of Code Number Subjective Home Involved in high problems in discounts of variations, and the inverse and implicit function theorems.  Format Number Status T S SCORE Meetings  Whethods of mathematical analysis for the solution of problems in physics and engineering. Topics include an introduction to rundicular analysis, linear analysis & eigenvalue problems for mathematical departments. Generally Score Codes Code Number Subjecter Home Dept?  Methods of mathematical analysis for the solution of problems in physics and engineering. Topics include an introduction to functional analysis, linear analysis & eigenvalue problems for mathematical departments. Generalized analysis for the solution of problems in physics and engineering. Topics include an introduction to functional analysis, linear analysis & eigenvalue problems for mathematical organizations, and the inverse and implicit function theorems.  Format Number Status T S SCORE Meetings  Format Number Subject Home Dept?  Methods of mathematical topics include an introduction to Materials on a part of the control of the Control of Control of the Control of Control	Course Codes	Code N	Number S	Sublette					Max. Enrollme		)	-				
Build Dynamics   Sealing Sealing   Sealing Sealing Sealing   Sealing		MAE 2	25			<u>t?</u>			_	Y		-				
United the control of the course deals with one-dimensional pagalications. The second half of the course deals with one-dimensional pagalications. The second half of the course deals with one-dimensional pagalications. The second half of the course deals with booles, concepts of thrists. It in and drag (finctional and lift-induced). Homework will include design problems and computational examples.  Sample Reading Author Name Trust (Find Second Pagalications). The second half of the course deals with induced). Homework will include design problems and computational examples.  Sample Reading Author Name Trust (Find Second Pagalications). The second Pagalications and Pagalications and Pagalications. The second Pagalications and Pagalications and Pagalications and Pagalications. The second Pagalications and Pagalic	itle									Pc	adino	30-4	nages (	of toyt \	Maakly nro	hlam sats
The first half of the course deals with one-dimensional compressible flows, with special enghans on jet propulsion special enghans enghans on jet propulsion special enghans engha		Tidia Dy	yriairiics		_					I.C	aumę	30-4	o pages i	oi text. I	weekly pic	DDIETTI SELS.
The first half of the course deals with one-dimensional propriessible flows, with special emphasion applications. The second half of the course deals with endophasmics of two and three-dimensional wings and bodies, concepts of thirds, list and drag (firstored and lift bedded design problems and lists and library and the course deals with endophasmics of two and three-dimensional wings and bodies, concepts of thirds, list and drag (firstored and lift bedded design problems and lists	ubletter									pe Fir	nal					
compressible flows, with special emphasis on jet propulsion applications. The scool half of the convex deals with acrodynamics of two and three-dimensional wings and bodies, concepts of thrust, lift and range firstional and lift in the property of the pr	escription	The firs	t half of	the cour	rse de	als with o	one-dimensio	nal				уре				
applications. The second half of the course deals with acodynamics of two and three-dimensional wings and bodies, concepts of thrust, iff and oring (frictional and lift-induced). Homework will include design problems and bodies, concepts of thrust, iff and oring (frictional and lift-induced). Homework will include design problems and compositional examples.  Format Number Status of February Status of Texamples and the concepts of the second of the second or th		compre	ssible flov	ws, with	spec	ial empha	asis on jet pro	opulsion	3				m Exam			
Dodes, concepts of thrust, if and drag (inclone) and pillinduced estign problems and computational examples.   Sample Reading   Sample Readi																
Induced) Honework will include design problems and computational examples.   Format Number   Status   Total   Status   Tota										30						
computational examples.    Computational examples   Computational examp																
ections  Format   Number   Status   Second   Sec						ide desigi	ii problems a	IIu	List	_						
ections  Format Number Status   Score   Meetings   End Time   Time   Day   Score   First   Middle   Last   Day   Score   May Por   Name   Name												& Cho				
Liperann and Roshko of Roshko of Roshko Rosh										Sn	nits					ction to Fluid
Format Number   Status   Statu																ynamics
Code   Number   Subletter   Home   Dept?   Max   Enrollment   Subletter   Home   Dept?   Max   Su	ections	Format	Number	Status	四区	SCORE	Meetings			Ro	osnko		Instructo	ors		
Code   Number   Subletter   Home   Dept?   Max   Enrollment   Subletter   Home   Dept?   Max   Su	00110115	- omat		Otatas	ax.			End	Place	Davs		≓		,,,,	Middle	Last
Code   Number   Subletter   Home   Dept?   Max   Enrollment   Subletter   Home   Dept?   Max   Su					m m						ay	3A?				
Code   Number   Subletter   Home   Dept?   Max   Enrollment   Subletter   Home   Dept?   Max   Su					ent						,					
ourse Codes   Code   Number   Subletter   Home   Dept?   Max   Enrollment   Some		L			50	20071	10:00:00	10:50:00	EQUAD	М		N	Maria		Pino	Martin
Ourse Codes  Code   Number   Subletter   Home   Dept?   Max. Enrollment   So   May. Enrollm									D221							
Ourse Codes   Code   Number   Subletter   Home   Dept?   Max Enrollment   50   May PDF?   N   May PDF?   N   May PDF?   N   May PDF?   N   May Audit?   Y   Max Enrollment   Subletter   Subject   S																
Code   Number   Subletter   Home   Dept?   Max   Enrollment   50   May PDF?   Nay Audit?   Y		Р	01	Χ	50	20084	19:30:00	20:50:00		Т		N				
Dept?   May Audit?   Y   May Audit?   May Audit?   May Audit?   May Audi									D221	l			Zhili			Zhang
Dept?   May Audit?   Y   May Audit?   May Audit?   May Audit?   May Audi	ourse Codes	Code N	Number S	Sublette	r Hor	ne		1	Max. Enrollme	nt 50	)					
Mathematical Methods of Engineering Analysis I   Methods of mathematical analysis for the solution of problems in physics and engineering. Topics include an introduction to functional analysis, linear analysis & eigenvalue problems for matrices & operators, Sturm-Liouville theory, Green's functions for the solution of linear ordinary differential equations and prossors sequation, and the calculus of variations, and the inverse and implicit function theorems.    Format   Number   Status   Total   Score   Score   Meetings   End   Time																
bubleter					Υ					Υ		<u>L</u>				
ubletter  escription Methods of mathematical analysis for the solution of problems in physics and engineering. Topics include an introduction to functional analysis, linear analysis & eligenvalue problems for matrices & operators, Sturm-Liouville theory, Green's functions for the solution of linear ordinary differential equations and Poisson's equation, and the calculus of variations, and the inverse and implicit function theorems.  Format Number Status	itle	Mathem	natical Me	thods o	of Eng	ineering i	Analysis I									
Methods of mathematical analysis for the solution of problems in physics and engineering. Topics include an introduction to functional analysis, linear analysis & eigenvalue problems for matrices & operators, Sturm-Liouville theory, Green's functions for the solution of linear ordinary differential equations and Poisson's equation, and the calculus of variations, and the inverse and implicit function theorems.  Format Number Status																
problems in physics and engineering. Topics include an introduction to functional analysis, linear analysis & eigenvalue problems for matrices & operators, Sturm-Liouville theory, Green's functions for the solution of linear ordinary differential equations and Poisson's equation, and the calculus of variations, and the inverse and implicit function theorems.  Format Number Status S SCORE Meetings Is Sokonliroff & RM Mathematics of Physics & Moderr Redheffer Is Sokonliroff & RM Mathematics of Physics & Moderr Redheffer Is Sokonliroff & RM Mathematics of Physics & Moderr Redheffer Is Sokonliroff & RM Mathematics of Physics & Moderr Redheffer Is Sokonliroff & RM Mathematics of Physics & Moderr Redheffer Is Sokonliroff & RM Mathematics of Physics & Moderr Redheffer Is Sokonliroff & RM Mathematics of Physics & Moderr Redheffer Is Sokonliroff & RM Mathematics of Physics & Moderr Redheffer Is Sokonliroff & RM Mathematics of Physics & Moderr Redheffer Is Sokonliroff & RM Mathematics of Physics & Moderr Redheffer Is Instructors  L 01 0 50 20311 09:00:00 10:20:00 EQUAA A224 T N N Naomi Ehrich Leonard Is Nave Is Soloment Is Nave Is Solomen		NC .:				had 6	de a ser to the	£								
introduction to functional analysis, linear analysis & eigenvalue problems for matrices & operators, Sturm-Liouville theory, Green's functions for the solution of linear ordinary differential equations and Poisson's equation, and the calculus of variations, and the Inverse and Implicit function theorems.    Sample Reading List   Debnath & PR   Introduction to Hilbert Spaces will Mikusinskl   RA Horn & CR   Johnson   Markix Analysis   Johnson   Mikusinskl   RA Horn & CR   Johnson   Matrix Analysis   Johnson   John	escription								Grading	Pe	erc. T	ype				
ections    Code   Number   Status   First   Number   Status   First   Number   Status   Number   Statu									Cample Deadlin	200 1	ıthar	Nome		Title		
Liouville theory, Green's functions for the solution of linear ordinary differential equations and Polsson's equation, and the calculus of variations, and the inverse and implicit function theorems.    Milkusinski   RA Horn & CR   Matrix Analysis   Matrix Analysis   Matrix Analysis   Mathematics of Applied Mathematics   Mathematics of Physics & Modern   Redheffer   Sololiniroff & RM   Redheffer   Re															etion to LIII	hort Spaces will
ordinary differential equations and Poisson's equation, and the calculus of variations, and the inverse and implicit function theorems.  Format Number Status S SCORE Number Time Subdetter Home Dept?  Mark E 501 Number Dept?  Mark E 501 Number Status S SUBDET Number Dept?  Mark E 501 Number Status S SUBDET Number Dept?  Mark E 501 Number Status S SUBDET Number Status S SCORE Number Subdetter Home Dept?  Mark E 501 Number Status S SCORE Number Subdetter Home Dept?  Mark E 501 Number Status S SUBDET Number S									List							pert spaces Wi
the calculus of variations, and the inverse and implicit function theorems.    Social Code   Number   Status		ordinary	y differen	itial equ	ations	and Pois	sson's equation	on, and		_						
Social content   Status   Social content   Social conte					s, and	the inve	rse and impli	cit						autin A	,5013	
Format   Number   Status   Total   Status   Total   Status   Total   Status   Total   Status   Total   Status		function	1 theorem	ıs.						M.	. Gree	nberg		Foundat	ions of Ap	plied Mathemat
Format Number   Status   Statu																ysics & Moderr
Code Number Subletter Home Dept?  MSE 501							•			Re	edheff	ier			ring	
Code Number Subletter Home Dept?  MSE 501	ections	Format	Number	Status	Ma) Enr			I .	In	_				ors	1	
Code Number Subletter Home Dept?  MSE 501					o⊟ ^	Number			Place	_	2)/	ГВА	FIFST		Middle	Last
Code Number Subletter Home Dept?  MSE 501					nen		Time	Time		Da	1y	:				
Ourse Codes    Code   Number   Subletter   Home   Dept?   Max   Enrollment   50   May PDF?   Y   May Audit?   Y   Max   561   N   Assignments						20311	00.00.00	10.20.00	FOLIAA A224	Т		N	Naom	i i	Ehrich	Leonard
MSE 501 Y May Audit? Y  MAE 561 N N  ME 501 N ME 501 N MAE 561 N N  MAE 561 N N MAE 561 N N  MAE 561 N N MAE 561 N N  Masignments  Website  Opic  Ubletter  Bescription  Emphasizes the connection between microstructural features of materials and their properties, and how processing conditions control structure. Topics include atomic bonding, crystal structure, thermodynamics, phase diagrams, defects, microstructure, diffusion, phase transformations, nucleation, coarsening, glasses, elastic and plastic deformation, fracture, processing, composites, and electronic properties.  May PDF?  May Audit? Y  Massignments  Website  Final Exam Type Other  Grading  Perc. Type  Sample Reading  J.F. Nye Physical Properties of Crystals  P. Haasen Physical Metallurgy  C. Hall Polymers Materials  Y.T. Clang, D. Birnie, and W.D. Kingery  D.A. Porter and K.E. Phase Transformations in Metals Alloys  C. Kittel Introduction to Solid State Physic  Ections  Format Number Status Status Status Meetings Number Beg. Time Time  Time Place Days First Middle Last  L 01 0 50 21439 14:30:00 15:50:00 BOWEN 222 M N N George W. Scherer		-	01	U	30	20311	07.00.00	10.20.00	LQUAA AZZ4			IN	Naoiii		LIIIICII	Leonard
MSE 501 Y May Audit? Y  MAE 561 N N  ME 501 N ME 501 N MAE 561 N N  MAE 561 N N MAE 561 N N  MAE 561 N N MAE 561 N N  Masignments  Website  Opic  Ubletter  Bescription  Emphasizes the connection between microstructural features of materials and their properties, and how processing conditions control structure. Topics include atomic bonding, crystal structure, thermodynamics, phase diagrams, defects, microstructure, diffusion, phase transformations, nucleation, coarsening, glasses, elastic and plastic deformation, fracture, processing, composites, and electronic properties.  May PDF?  May Audit? Y  Massignments  Website  Final Exam Type Other  Grading  Perc. Type  Sample Reading  J.F. Nye Physical Properties of Crystals  P. Haasen Physical Metallurgy  C. Hall Polymers Materials  Y.T. Clang, D. Birnie, and W.D. Kingery  D.A. Porter and K.E. Phase Transformations in Metals Alloys  C. Kittel Introduction to Solid State Physic  Ections  Format Number Status Status Status Meetings Number Beg. Time Time  Time Place Days First Middle Last  L 01 0 50 21439 14:30:00 15:50:00 BOWEN 222 M N N George W. Scherer	ourse Codes					20										
MSE   501		Code N	lumber S	Sublette	r Hon				Max. Enrollme	nt 50	)					
MAE   561	ourse oddes	Code N	Number S	Sublette							)					
itle opic opic opic opic opic opic opic opic	ourse oddes			Sublette	Dep				May PDF?	Υ	)					
Bescription  Emphasizes the connection between microstructural features of materials and their properties, and how processing conditions control structure. Topics include atomic bonding, crystal structure, thermodynamics, phase diagrams, defects, microstructure, diffusion, phase transformations, nucleation, coarsening, glasses, elastic and plastic deformation, fracture, processing, composites, and electronic properties.  Format Number Status Format Number Status Formations in Meetings  Eections  Format Number Status Formations in Meetings  Format Number Status Formations in Meetings  Format Number Status Formations in Meetings  First Middle Last  Lust J.F. Nye Physical Properties of Crystals Author Name Title  J.F. Nye Physical Properties of Crystals P. Haasen Physical Meetings  C. Hall Polymers Materials  Y.T. Clang, D. Birnie, and W.D. Kingery  D.A. Porter and K.E. Phase Transformations in Metals Alloys  C. Kittel Introduction to Solid State Physical Properties of Crystals Properties of Crystal		MSE 5	501		Dep Y N				May PDF? May Audit?	Υ	)					
Emphasizes the connection between microstructural features of materials and their properties, and how processing conditions control structure. Topics include atomic bonding, crystal structure, thermodynamics, phase diagrams, defects, microstructure, diffusion, phase transformations, nucleation, coarsening, glasses, elastic and plastic deformation, fracture, processing, composites, and electronic properties.    Sample Reading   Author Name   Title     J.F. Nye   Physical Properties of Crystals     P. Haasen   Physical Metallurgy     C. Hall   Polymers Materials     Y.T. Ciang, D. Birnie, and W.D. Kingery     D.A. Porter and K.E.   Phase Transformations in Metals     Easterling   Alloys     C. Kittel   Introduction to Solid State Physical     C. Kittel   Introduction to Solid State Physical     Instructors     Days   First   Middle   Last     Days   First   Middle   Last     Days   First   Middle   Last     Days   First   Middle   Last     Days   C. Hall   Place   Days   First     Days   First   Middle   Last     Days   C. Hall   Place   Days   First     Days   First   Middle   Last     Days   C. Hall   Place   Days   First     Days   First   Middle   Last     Days   C. Hall   Place   Days   First     Days   First   Middle   Last     Days   C. Hall   Place   Days   First     Days   First   Middle   Last     Days   C. Hall   Place   Days   First     Days   First   Middle   Last     Days   C. Hall   Place   Days   First     Days   First   Middle   Last     Days   C. Hall   Place   Days   First     Days   First   Middle   Last     Days   C. Hall   Place   Place	itle	MSE 5	501		Dep Y N				May PDF? May Audit? Assignments Website	Y	)					
features of materials and their properties, and how processing conditions control structure. Topics include atomic bonding, crystal structure, thermodynamics, phase diagrams, defects, microstructure, diffusion, phase transformations, nucleation, coarsening, glasses, elastic and plastic deformation, fracture, processing, composites, and electronic properties.    Format   Number   Status	itle opic	MSE 5	501		Dep Y N				May PDF? May Audit? Assignments Website Final Exam Ty	Y Y pe Ot	ther					
processing conditions control structure. Topics include atomic bonding, crystal structure, thermodynamics, phase diagrams, defects, microstructure, diffusion, phase transformations, nucleation, coarsening, glasses, elastic and plastic deformation, fracture, processing, composites, and electronic properties.    Format   Number   Status   Status	itle opic ubletter	MSE 5 MAE 5 Introduce	501 561 action to M	Materials	Dep Y N	ot?			May PDF? May Audit? Assignments Website Final Exam Ty	Y Y pe Ot	ther	уре				
atomic bonding, crystal structure, thermodynamics, phase diagrams, defects, microstructure, diffusion, phase transformations, nucleation, coarsening, glasses, elastic and plastic deformation, fracture, processing, composites, and electronic properties.    P. Haasen   Physical Metallurgy   C. Hall   Polymers Materials	itle opic ubletter	MSE 5 MAE 5 Introduce	501 561 action to M	Materials	Dep Y N	etween m			May PDF? May Audit? Assignments Website Final Exam Ty Grading	y y pe Ot	ther erc. T	-				
diagrams, defects, microstructure, diffusion, phase transformations, nucleation, coarsening, glasses, elastic and plastic deformation, fracture, processing, composites, and electronic properties.    Format   Number   Status   St	itle opic ubletter	MSE 5 MAE 5 Introduce	561 561 action to M	Materials connecterials and	Dep Y N s	etween m	ies, and how		May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir	y y pe Ott Pe	ther erc. T	Name			Day	
transformations, nucleation, coarsening, glasses, elastic and plastic deformation, fracture, processing, composites, and electronic properties.    V.T. Ciang, D. Birnie, and W.D. Kingery	itle opic ubletter	MSE 5 MAE 5 Introduce Emphas features process	561 561 561 Sizes the 6 s of mate	Materials connect crials and	Dep Y N s tion be d thei	etween mr properti	ies, and how . Topics inclu	ıde	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir	y y pe Ot Pe	ther erc. T uthor	Name e		Physical		
plastic deformation, fracture, processing, composites, and electronic properties.    D.A. Porter and K.E.   Phase Transformations in Metals   Easterling   Alloys	itle opic ubletter	MSE 5 MAE 5 Introduce  Emphas features process atomic I	sizes the cs of mate sing conding,	connecterials and citions connecterials and connecterials and constant	Dep Y N sion be d thei	etween mr properti structure cure, there	ies, and how . Topics inclu modynamics,	ıde	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir	Pe Ott J.F. P.	ther erc. T	Name e		Physical Physical	Metallurgy	/
ections  Format Number Status	itle opic ubletter	MSE 5 MAE 5 Introduction Emphas features process atomic I diagram	sizes the cost of mate sing conditions, defect	connecterials and itions cocystal ts, micro	Dep Y N s tion be d thei ontrol struct	etween m r properti structure cure, there	ies, and how . Topics inclu modynamics, usion, phase	ide phase	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir	pe Ott Pe J.F. C.	ther erc. T uthor F. Nye Haas Hall	Name e sen		Physical Physical Polymer	Metallurgy s Materials	/
ections Format Number Status F	itle opic ubletter	MSE 5 MAE 5 Introduce  Emphas features process atomic I diagram transfor plastic co	sizes the cost of materials bonding, ns, defect rmations, deformati	connect rials and itions co- crystal ts, micro- nucleation, frac-	Dep Y N S stion be d thei ontrol struct	etween m r properti structure ture, them ture, diffu	ies, and how . Topics inclu modynamics, usion, phase g, glasses, ela	nde phase astic and	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir	pe Ot Pe	ther erc. T uthor F. Nye Haas Hall T. Cia	Name e sen	. Birnie,	Physical Physical Polymer	Metallurgy s Materials	/
ections Format Number Status F	itle opic ubletter	MSE 5 MAE 5 Introduce  Emphas features process atomic I diagram transfor plastic co	sizes the cost of materials bonding, ns, defect rmations, deformati	connect rials and itions co- crystal ts, micro- nucleation, frac-	Dep Y N S stion be d thei ontrol struct	etween m r properti structure ture, there ture, diffu	ies, and how . Topics inclu modynamics, usion, phase g, glasses, ela	nde phase astic and	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir	pe Ot Penns August 19 P. C. Y. an	ther erc. T uthor F. Nye Haas Hall T. Cia	Name e sen ang, D. D. King	. Birnie,	Physical Physical Polymer Physical	Metallurgy s Materials Ceramics	3
Format   Number   Status   Format   Status   S	itle opic ubletter	MSE 5 MAE 5 Introduce  Emphas features process atomic I diagram transfor plastic co	sizes the cost of materials bonding, ns, defect rmations, deformati	connect rials and itions co- crystal ts, micro- nucleation, frac-	Dep Y N S stion be d thei ontrol struct	etween m r properti structure ture, there ture, diffu	ies, and how . Topics inclu modynamics, usion, phase g, glasses, ela	nde phase astic and	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir	pe Ot Pe D. J.F. P. C. Y. an D.	ther erc. T uthor F. Nye Haas Hall T. Cia nd W.I	Name e sen ang, D. D. King	. Birnie,	Physical Physical Polymer Physical Phase T	Metallurgy s Materials Ceramics	3
L 01 0 50 21439 14:30:00 15:50:00 BOWEN 222 M N George W. Scherer	itle opic ubletter	MSE 5 MAE 5 Introduce  Emphas features process atomic diagram transfor plastic celectron	sizes the c s of mate sing condi bonding, ns, defect mic proper	connect rials and itions co- crystal sts, micro- nucleat ion, frac- rties.	N stion bed their ontrol struct ostruction, octure,	etween mr properti structure ure, therr ture, diff coarsening processin	ies, and how . Topics inclu modynamics, usion, phase g, glasses, ela ng, composite	nde phase astic and	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir	pe Ot Pe P. C. Y. an D. Ea	ther uthor Haas Hall T. Ciand W.I. A. Po	Name e sen ang, D. D. King orter ar	. Birnie, gery	Physical Physical Polymer Physical Phase T Alloys	Metallurgy s Materials Ceramics ransformat	tions in Metals
L 01 0 50 21439 14:30:00 15:50:00 BOWEN 222 M N George W. Scherer	ittle Topic Jubletter Description	MSE 5 MAE 5 Introduce  Emphas features process atomic diagram transfor plastic celectron	sizes the c s of mate sing condi bonding, ns, defect mic proper	connect rials and itions co- crystal sts, micro- nucleat ion, frac- rties.	N stion bed their ontrol struct ostruction, octure,	etween mr properti structure ure, therr ture, diff coarsening processin	ies, and how . Topics inclu modynamics, usion, phase g, glasses, ela ng, composite	nde phase astic and es, and	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir List	pe Ot Pe P. C. Y. an D. Ea	ther erc. T uthor F. Nye Haas Hall T. Cia nd W.I. A. Po asterlii Kittel	Name e sen ang, D. D. King orter ar	. Birnie, gery nd K.E.	Physical Physical Polymer Physical Phase T Alloys Introduc	Metallurgy s Materials Ceramics ransformat	tions in Metals
L 01 0 50 21439 14:30:00 15:50:00 BOWEN 222 M N George W. Scherer	ittle Topic Jubletter Description	MSE 5 MAE 5 Introduce  Emphas features process atomic diagram transfor plastic celectron	sizes the c s of mate sing condi bonding, ns, defect mic proper	connect rials and itions co- crystal sts, micro- nucleat ion, frac- rties.	N stion bed their ontrol struct ostruction, octure,	etween mr properti structure ure, therr ture, diff coarsening processin	ies, and how Topics inclumodynamics, usion, phase g, glasses, ela g, composite  Meetings Beg.	phase astic and es, and	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir List	pe Ott Pe ng Au J.F P. C. Y. an D. Ea	ther erc. T uthor F. Nye Haas Hall T. Cia nd W.I. A. Po asterlii Kittel	Name e sen ang, D. D. King orter ar	. Birnie, gery nd K.E.	Physical Physical Polymer Physical Phase T Alloys Introduc	Metallurgy s Materials Ceramics ransformat	tions in Metals
	ittle Topic Jubletter Description	MSE 5 MAE 5 Introduce  Emphas features process atomic diagram transfor plastic celectron	sizes the c s of mate sing condi bonding, ns, defect mic proper	connect rials and itions co- crystal sts, micro- nucleat ion, frac- rties.	N stion bed their ontrol struct ostruction, octure,	etween mr properti structure ure, therr ture, diff coarsening processin	ies, and how Topics inclumodynamics, usion, phase g, glasses, ela g, composite  Meetings Beg.	phase astic and es, and	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir List	pe Ott Pe Pe J.F P. C. Y. an D. Ea C.	ther erc. T uthor F. Nye Haas Hall T. Cia nd W.I. A. Po asterlii Kittel	Name e sen ang, D. D. King orter ar	. Birnie, gery nd K.E.	Physical Physical Polymer Physical Phase T Alloys Introduc	Metallurgy s Materials Ceramics ransformat	tions in Metals
	Fitle Fopic Subletter Description Sections	MSE 5 Introduce  Emphase features process atomic 1 diagram transfor plastic celectron	sizes the c s of mate sing condi bonding, ns, defect rmations, deformati nic proper	connecterials and titions concretely and titions concretely and titions concretely and titions concretely and tition, fractities.	Dep Y N N S S S S S S S S S S S S S S S S S	etween mr properti structure, there ture, difficoarsening processin	ies, and how. Topics inclumodynamics, usion, phase g, glasses, elang, composite  Meetings  Beg. Time	phase astic and ass, and End Time	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir List  Place	Pee Ott Pee Ot	tther uthor F. Nye Haas Hall T. Ciand W.I A. Po Kittel	Name Bean Bang, D. Bone Bone Bone Bone Bone Bone Bone Bone	. Birnie, gery nd K.E.	Physical Physical Polymer Physical Phase T Alloys Introducors	Metallurgy s Materials Ceramics ransformat ction to Sol	tions in Metals
	Title Topic Subletter Description	MSE 5 Introduce  Emphase features process atomic 1 diagram transfor plastic celectron	sizes the c s of mate sing condi bonding, ns, defect rmations, deformati nic proper	connecterials and titions concretely and titions concretely and titions concretely and titions concretely and tition, fractities.	Dep Y N N S S S S S S S S S S S S S S S S S	etween mr properti structure, there ture, difficoarsening processin	ies, and how. Topics inclumodynamics, usion, phase g, glasses, elang, composite  Meetings  Beg. Time	phase astic and ass, and End Time	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir List  Place	Pe Ott Pe	uthor F. Nyeere. Haas Hall T. Ciaa M. Poo M. Kittel	Name Bean Bang, D. Bone Bone Bone Bone Bone Bone Bone Bone	. Birnie, gery nd K.E.	Physical Physical Polymer Physical Phase T Alloys Introducors	Metallurgy s Materials Ceramics ransformat ction to Sol	tions in Metals
	itle opic ubletter vescription	MSE 5 Introduce  Emphase features process atomic 1 diagram transfor plastic celectron	sizes the c s of mate sing condi bonding, ns, defect rmations, deformati nic proper	connecterials and titions concretely and titions concretely and titions concretely and titions concretely and tition, fractities.	Dep Y N N S S S S S S S S S S S S S S S S S	etween mr properti structure, there ture, difficoarsening processin	ies, and how. Topics inclumodynamics, usion, phase g, glasses, elang, composite  Meetings  Beg. Time	phase astic and ass, and End Time	May PDF? May Audit? Assignments Website Final Exam Tyl Grading Sample Readir List  Place	Pe Ott Pe	uthor F. Nyeere. Haas Hall T. Ciaa M. Poo M. Kittel	Name Bean Bang, D. Bone Bone Bone Bone Bone Bone Bone Bone	. Birnie, gery nd K.E.	Physical Physical Polymer Physical Phase T Alloys Introducors	Metallurgy s Materials Ceramics ransformat ction to Sol	tions in Metals

Course Codes	Code 1	Number S	Sublette					Max. Enrollme					
				Dep	ot?			May PDF?	N				
		339		Υ				May Audit?	N				
Title	Indepe	ndent Wo	ork					Assignments					
Горіс		_						Website					
Subletter								Final Exam Ty	pe Oth	er			
Description	Studen	t selects:	subject	and a	dvisor - c	lefines proble	m to be	Grading	Pero	. Type			
						of possible si		_	75	Paper	In Lieu of Final		
						ff members is			20	Oral P	resentation(s)		
						entation at er			5	Precep	ot Participation		
						nts and guest		Sample Readi	ng Auth	nor Name	e Title		
						ors or seniors		List	Ĭ				
			project	1. 339	raii Term	project; 340	Spring						
Continuo	Term p	Numb -	Ctot	Jm z	CCODE	Mastings					Instructors		
Sections	Format	Number	Status	nr.	Number	Meetings Beg. Time	End	Place	Dave		First	Middle	Last
				l in	Number	Beg.	Time	Place	Days	TBA?	FIISt	ivildale	Last
				ner		Time	Time		Day	:>			
	0	01	0	20	20072	10 20 00	12 20 00	EDIEN 110	W	N.I.	N.		Manadha
	C	01	0	20	20072			FRIEN 110 FRIEN 110	W	N N	N.	Jeremy Jeremy	Kasdin Kasdin
	MAE 3	339	)	Dep Y	ot?			May PDF? May Audit?	N N				
Γitle	Indepe	ndent Wo	ork with	Desig	n			Assignments					
Topic								Website					
Subletter	D							Final Exam Ty	pe Oth	er			
Description	Course	similar to	MAE 3	339-34	0. Princip	al difference	is that	Grading		. Type			
·	the pro	ject must	incorp	orate	aspects a	nd principals	of	3	75		In Lieu of Final		
						device, appar			20		resentation(s)		
						nd oral prese			5		ot Participation		
						low students		Sample Readi	na Auth	nor Name			
						is intended for		List					
						m project. 33	9D Fall						
	lerm p	roject; 34	40D Spi	ring I	erm proje	ct.					I		
Sections	Format	Number	Status	n Ma	SCORE Number	Meetings	I	In	-		Instructors	1	1
				<u> </u>	Number	Beg.	End	Place	Days	TBA?	First	Middle	Last
				nei		Time	Time		Day	1,5			
				7									
	C	01	0	20	20074			FRIEN 110 FRIEN 110	W	N N	N.	Jeremy	Kasdin
	C	02	0	20	20075						N.	Jeremy	Kasdin

Title Topic	MAE 4				ot?			May PDF?	N					
	IVIAE 4	27		Υ				May Audit?	N					
			ıv Conv	ersior	: Mobile	Power Plants		Assignments		work n	ohlems	readings	and a sha	rply focused
Subletter		Ĭ						Assignments	paper Initiat	, (10 pa ion for	iges). Ch Recomm	neck with ended Te	in two weel	ks of Course chases. Library
Description						f technology		Website	reserv	e or an	reierend	es will b	e avaliable.	
						mbustion povo mena associ		Final Exam Typ	pe Final					
	with mo	bile pow	er plant	desi	gn and ap	plications, in	cluding	Grading	Perc.	Туре				
						g propulsion			30		m Exam			
						nd diesel pow sion devices,			35	Final E				
						Il be covered.			30		t Particip n Set(s)	ation		
						ission control		Sample Readin		r Name		Title		
	discusse	ed. Throu	ighout t	the co	urse, (Se	e other inform	mation)	List		son and			Combustio	n Engines:Appli
									Kirkpa				Sciences, 2	
										id Peter		Propulsi	on	rmodynamics o
									Davis	Warne	r, and			igin and Contro
									Suttor				Propulsion E	lements
											ributed	the cour	se	
Sections	Format	Number	Status	Ma. Enr	SCORE	Meetings		1			Instruct	ors		
		Number		x. rollment	Number	Beg. Time	End Time	Place	Days Day	TBA?	First		Middle	Last
	L	01	0	40	20076	11:00:00	11:50:00	EQUAD D221	W	N	Frede	erick	Lewis	Dryer
									F					
	С	01	0	40	20077	10:00:00	10:50:00		F Th	N	Frede	erick	Lewis	Dryer
	С	01	0	40	20077	10:00:00	10:50:00	EQUAD D221		N	Frede Timo		Lewis Michael	Dryer Ombrello
Course Codes	Code N	01 Jumber S			ne	10:00:00	10:50:00		Th	N				
	Code N  ELE 5  MAE 5	21 47	Sublette	r Hor Dep	ne	10:00:00	10:50:00	Max. Enrollmer May PDF? May Audit? Assignments	Th 36	N				
Title	Code N  ELE 5  MAE 5	lumber S	Sublette	r Hor Dep	ne	10:00:00	10:50:00	Max. Enrollment May PDF? May Audit? Assignments Website	Th 36 Y Y	N				
Title Topic	Code N  ELE 5  MAE 5	21 47	Sublette	r Hor Dep	ne	10:00:00	10:50:00	Max. Enrollmei May PDF? May Audit? Assignments Website Final Exam Tyj	Th  36  Y  Y  De Final					
Title Topic Subletter	Code N  ELE 5  MAE 5  Linear S	lumber S 21 47 System TI	Sublette	r Hor Dep Y	me ot?			Max. Enrollment May PDF? May Audit? Assignments Website	Th 36 Y Y					
Title Topic	Code N  ELE 5  MAE 5  Linear S	21 47 System TI	Sublette heory	r Hor Dep Y N	me ot?	10:00:00  f linear systerther study in	m	Max. Enrollme May PDF? May Audit? Assignments Website Final Exam Tyl Grading	Th  136 14 15 17 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Туре	Timo	thy		
Title Topic Subletter	Code N ELE 5 MAE 5 Linear S This coutheory. systems	21 47 System TI urse cove Various t	heory ers the f	r Hor Deg Y N	me ot?  mentals of ant for full	f linear syste	m n dynamic	Max. Enrollmei May PDF? May Audit? Assignments Website Final Exam Tyj	Th  136 14 15 17 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Type r Name	Timo	Title	Michael	Ombrello
Title Topic Subletter	Code N  ELE 5  MAE 5  Linear S  This coutheory.	21 47 System TI urse cove Various t	heory ers the f	r Hor Deg Y N	me ot?  mentals of ant for full	f linear syste	m n dynamic	Max. Enrollmer May PDF? May Audit? Assignments Website Final Exam Tyr Grading Sample Readir	Th  36 Y Y Y  Perc.  Author	Type r Name	Timo	Title Finite Di State Sp	Michael  imensional in pace and In	Ombrello  Linear Systems
Title Topic Subletter	Code N ELE 5 MAE 5 Linear S This coutheory. systems	21 47 System TI urse cove Various t	heory ers the f	r Hor Deg Y N	me ot?  mentals of ant for full	f linear syste	m n dynamic	Max. Enrollmer May PDF? May Audit? Assignments Website Final Exam Tyr Grading Sample Readir	Th  Th  36  Y  Y  Perc.  G  G  G  G  G  G  G  G  G  G  G  G  G	Type r Nameett amps	Timo	Title Finite Di State Sp Systems	Michael  Michael	Ombrello  Linear Systems
Title Topic Subletter	Code N ELE 5 MAE 5 Linear S This coutheory. systems	21 47 System TI urse cove Various t	heory ers the f	r Hor Deg Y N	me ot?  mentals of ant for full	f linear syste	m n dynamic	Max. Enrollmer May PDF? May Audit? Assignments Website Final Exam Tyr Grading Sample Readir	Th  36 Y Y Perc.  GRAutho Brock Delch Kallati	Type r Nameett amps	Timo	Title Finite Di State Sp Systems Linear S	Michael  imensional in a second in a secon	Ombrello  Linear Systems put Output Linear
Title Topic Subletter	Code N ELE 5 MAE 5 Linear S This coutheory. systems	21 47 System TI urse cove Various t	heory ers the f	r Hor Deg Y N	me ot?  mentals of ant for full	f linear syste	m n dynamic	Max. Enrollmer May PDF? May Audit? Assignments Website Final Exam Tyr Grading Sample Readir	Th  Th  36  Y  Y  Perc.  G  G  G  G  G  G  G  G  G  G  G  G  G	Type r Nameett amps	Timo	Title Finite Di Systems Linear S Linear N	Michael  Michael	Ombrello  Linear Systems put Output Linear Control: A
Title Topic Subletter Description	Code N ELE 5 MAE 5 Linear S This coutheory, systems are pres	21 47 System TI	heory ers the fropics in and co	r Hor Dep Y N	mentals o	f linear syste rther study in nd signal pro	m n dynamic	Max. Enrollmer May PDF? May Audit? Assignments Website Final Exam Tyr Grading Sample Readir	Th  36 Y Y Perc.  GRAutho Brock Delch Kallati	Type r Nameett amps	Timo	Title Finite Di State Sp Systems Linear S Geometr Linear S	imensional lipace and Injustems	Ombrello  Linear Systems put Output Line  Control: A
Title Topic Subletter Description	Code N ELE 5 MAE 5 Linear S This coutheory, systems are pres	21 47 System TI	heory ers the fropics in and co	r Hor Dep Y N	mentals o	of linear syste rther study in nd signal pro	m dynamic cessing	Max. Enrollmer May PDF? May Audit? Assignments Assignments Final Exam Tyl Grading Sample Readir List	Th  1 36     Y     Y  20e Final Perc.  Graph Author Brock Delch  Kailati Wonh  Rugh	Type r Name ett amps n am	Timo	Title Finite Di State Sp Systems Linear S Geometr Linear S	mensional lace and Injustems fulltivariable ric Approacl ystems The	Control: A
Title Topic Subletter	Code N ELE 5 MAE 5 Linear S This coutheory, systems are pres	21 47 System TI	heory heory ers the foppics in and co	r Hor Dep Y N	mentals o	f linear syste rther study in nd signal pro	m n dynamic	Max. Enrollmer May PDF? May Audit? Assignments Website Final Exam Tyr Grading Sample Readir	Th  1 36     Y     Y  20e Final     Perc.  3 Autho     Brock     Delch     Kailati     Wonh	Type r Nameett amps	Timo	Title Finite Di State Sp Systems Linear S Geometr Linear S	mensional la pace and Injustems fulltivariable	Ombrello  Linear Systems put Output Line  Control: A

Title	Code	Number	Sublette					Max. Enrollmen	nt 30					
Title	MAE	125		Dep	ot?			May PDF?	Υ					
TILLE			n Moche	nical	and Aaron	pace Engine	oring	May Audit?	Y	(\ A /!-	·! A!		D	!!! b - 6
Topic		reneurial			and Aeros	pace Engine	cring	Assignments						will be from eb-based referen
Subletter	Littlep	Cricuital	Linginie	Jing										s and design
Description	This co	jurse bui	ids on th	ne tecl	nnical fou	ndations esta	ablished				sentation			
D GGG, IPT. GT.						ds the scope		Website						
						rketing comp		Final Exam Typ	e Other					
						ventures. St		Grading		Type				
						of identifying		3	50		Project(	s)		
						opportunitie			25		esentati			
						ed and devel			25	Precep	t Particip	ation		
						nary teams,		Sample Reading	g Autho	r Name	•	Title		
						marketable,		List	H.H. :	Stevens	on, M.J.	New Bu	siness Ven	tures & the
						market anal troduced alor			Rober	ts & H.		Entrepre	eneur, 199	9 McGraw Hill
		ss planni			will be ill	ii ouuceu aioi	ilg with				th Ed.)			
	Dusine	33 Piaririi	ing & iiii	aricc.					The I					ip: What it Take
											s (TiE)	Create S	Successful.	
										2003)	-			
									Essen					
										lawtho				de to Infomercia
									1997	susmes	s Books,	Marketir	ıg	
										arrell (	Milov	Croating	. Crowin	g Your Own
										- Getti				st Century
										preneul		Duali ica.	o ar are 21	or ocintary
Sections	Forma	Numbe	r Status	Щ ≤	SCORE	Meetings					Instruct	ors		
				Max. Enrollment	Number	Beg.	End	Place	Days	I	First		Middle	Last
				3		Time	Time		Day	TBA?				
				ent					,	1				
	L	01	0	30	20078	15:00:00	16:20:00	EQUAD	M	N	Dani	el	Mark	Nosenchuck
								D221	W					
														•
Course Codes	Code	Number	Sublette					Max. Enrollmen	11 30					
	1465	407		Dep	17			May PDF?	Y					
		437		Y				May Audit?	Υ					
Titlo	EGR		Innovert	N ion Dr	00000 11-	aagamant.		Assignments						en out at the
Title Topic	introdi	ot noital	innovat	ion Pr	ucess Mai	nagement				ning of grade.	each led	ture. Atte	endance co	ounts for 20% o
Subletter		-						Website	milai (	nauc.				
Description	In toda	av's hyne	rcompet	titive o	lohal mai	ketplace, inr	novation	Final Exam Typ	e Take-	Home	_			
Description						ise. This cou		Grading		Туре				
						spects of the		or daining	40		lome Fin	al Fxam		
						ntion/concept			20		esentati			
	develo	pment, ir	ntellectu	al pro	perty, bus	siness plan			20		t Particip			
	prepar	ation, co	mpetitiv	e intel	ligence, F	R&D manager	ment,		20		(See Inst			
						nagement,		Sample Readin		r Name		Title		
						management		List		Miller a			Generation	R&D
						of successful			Morris			. our tir		
						ecome techno				atterso	n	Accelera	ating Innov	ation
						nt, as well as				chwart				e Fuel that Drive
	manag	ers and e	executive	es in a	complex	technologica	a society.						lass Inven	
									P. Dru	ıcker				lenges for the 2
												Century		
										leim an	d W.D.			tems: Foundation
									Comp				d-Class Pra	
										Cooper,				rocess from Idea
										ng at N	ew	Launch,	3rd Ed.	
	Forma	Mussah -	r Ctotus	Im >	SCODE	Mootings			Produ	cts:	Inctrict	orc		
Costions	i Forma	. Numbe	r Status	Max. Enrollment	SCORE	Meetings	End	Diaco	Dave	1_	Instruct	UIS	Middle	Loct
Sections	· oma			.,	Number	Beg. Time	End Time	Place	Days	TBA?	First		Middle	Last
Sections	, omia			ЭE		rime	rime		Day	.2				
Sections	Torrid													
Sections		01	0		22100	11.00.00	12.20.00	EDIENI 100	T	N	Vari			Zaininger
Sections	L	01	0	30	22100	11:00:00	12:20:00	FRIEN 108	T Th	N	Karl		H.	Zaininger

Make   Set 1					Dep	t?			May PDF?	Υ					
Applied Dynamical Systems  Phase-plane methods and single-degree-of-freedom nonlinear collidators invariant manifolds, local and global analysis, structural statility and officiation, center manifolds, and normal forms, averaging and perturbation, and Mehinov's method the Smale horseshoe, symbolic dynamics, and strange attractors.  Sections  Format Number Status S S SCORE Meetings  Lu 01 0 30 20316 13:30:00 14:50:00 FINEH 110 T N Clarence Worth Rowley  Lu 01 0 30 20316 13:30:00 14:50:00 FINEH 110 T N Clarence Worth Rowley  Course Codes  Code Number Subteter Home Description  MAX Enrollment 30 May Audit? V N May Audit? V N May Audit? V N May Audit? V N May Audit of the instructor.  Principles and methods for formulating and analyzing mathematical models of physical systems. Newtonian, Lagragian, and Hamiltonian formulations of particula and single and elabic body dynamics of particula and single and elabic body dynamics of the instructor.  Format Number Status S S SCORE Meetings  Final Exam Type Other  Instructors  Max Enrollment 30 May POFF N May Audit? V N May Audit of May					Y				May Audit?	Υ					
Final Exam Type   Other   Claration   Phase-plane methods and single-degree-of-freedom   Phase-plane methods and single-degree-of-freedom   Phase-plane methods and single-degree-of-freedom   Phase-plane methods and single-degree-of-freedom   Phase-plane methods for surfarial manifolds, and ormal forms; averaging and perturbation methods, forced oscillations, homeline orbits, and chaosa and lehalitors or methods, the Shael brosshote, symbolic (dynamics, and stange attractors).   Scotland   Phase-plane methods for surface and plane and properties   Phase-plane methods for formulating and analyzing mathematical models of physical systems. Newtonian, Lagrangian, and Hamiltonian formulations of particle and rigid and elastic body dynamics; canonical transformations, Hamilton-bacoli theory; and integrable and nonintegrable systems. Additional formulating and analyzing mathematical models of physical systems. Newtonian, Lagrangian, and Hamiltonian formulations of particle and rigid and elastic body dynamics; canonical transformations, Hamilton-bacoli theory; and integrable and nonintegrable systems. Additional properties and integrable and nonintegrable systems. Additional properties of properties and plane in the discretion of the instructors.    Format   Number   Status   Particle				10 1	_										
Secription Phase-plane methods and single-degree-of-freedom nonlinear oscillators: Invariant manifolds, local and global analysis, structural stability and bifurcation, center manifolds, and normal forms: averaging and retrutation methods, forced socialitions, formocinic orbits, and chaose and Methidro's method, the Shadle horseshoe, symbolic dynamics, and strange stractors.  Format Number Status S S SORE Meetings L 0 1 0 3 0 20316 13:30:00 14:50:00 FINEH 10 Th Number Status S Societions  Format Number Status S S Sort Mumber Beg End Time L 0 1 0 3 0 20316 13:30:00 14:50:00 FINEH 10 Th Number Status S Sort Mumber Beg End Time Sort May PDF? Now Assignments  Max. Enrollment 130 May Adulti? Y May Mumber Status S S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Status S Sort Mumber Beg End Time Sort Mumber Status S Sort Mumber Sort Mumber Status S Sort Mumber S Sort M		Applied	Dynamic	cal Syste	ems					0.11					
Phase-plane methods and single-degree-of-freedom number of subtractive invariant manifolds, and any office and plant of the plant of															
nonlinear oscillators: Invariant manifolds, local and global analysis, structural stability and bifurcation, center manifolds, and normal forms; averaging and perturbation methods, forced oscillations, homolinic orbits, and chaos: and Mehitov's method, the Smale horseshoe, symbolic dynamics, and stange attractors.  Sections  Formal Number Status S S SCORE Members Beg. End Time Time Time S Devarey Systems & An Intro to Chaos Systems & An Intro to		Phase	nlano mo	thods a	nd cin	ale-doard	a_of_frandow	1	Grading	Per	. Пуре	9			
analysis, structural stability and bifurcation, center manifolds, and normal forms; averaging and perturbation methods, forced oscillations, homoclinic orbits, and chaos; and Mchinkov's method, the Smale horseshoe, symbolic dynamics, and strange attractors.  Format Number Status	Description								Sample Peadir	a Aut	or Na	mo	Titlo		
manifolds, and normal forms: averaging and perturbation methods, forced oscillations, homozinic orbits, and chaose; and Mehitkov's method, the Smale horseshoe, symbolic dynamics, and strange attractors.  Sections  Formal Number   Status   T   S   SCORE   Meetings   Max   Enrollment   Enrollment   Max   Enrollment   Enrollment   Max   Enrollment   Enrollment   Max   Enrollment   E								9.000.	•	_			-	ar Oscillatio	ns Dynamical
and Mehikov's methods, forced oscillations, homoclinic orbits, and chaos: and Mehikov's method, the Shale horseshoe, symbolic dynamics, and strange attractors.  Sections  Format Number Status of the								bation	List			iciirici &			
and Melinkov's method, the Smale horseshoe, symbolic dynamics, and strange attractors.  Sections  Format Number Status		method	ls, forced	d oscillat	ions,	homoclini	ic orbits, and	chaos;				nov. E.A.			
Format   Number   Status							seshoe, symb	oolic		Vitt	S.E. K	haiken			
Sections   Format   Number   Status		dynami	cs, and s	strange a	attraci	tors.									
Format Number Status   Sections   Format Number Status   Sections   Sections												ı R.L.	System	s & An Intro	to Chaos
Course Codes  Code   Number   Subletter   Home   Dept?   Max   Enrollment   May PDF?   N   Max   Enrollment   May PDF?   N   Max   M	Castlana	Format	Numbar	Ctatus	m z	CCODE	Mostings			Dev	aney	Instrus	toro		
Course Codes  Code   Number   Subletter   Home   Dept?   Max   Enrollment   May PDF?   N   Max   Enrollment   May PDF?   N   Max   M	sections	Format	Number	Status	nrc	Number		End	Diago	Dove	1-1			Middle	Loct
Course Codes  Code   Number   Subletter   Home   Dept?   Max   Enrollment   May PDF?   N   Max   Enrollment   May PDF?   N   Max   M					₩.	Number			riace		-BA	FIISI		Midule	Last
Course Codes  Code   Number   Subletter   Home   Dept?   Max   Enrollment   May PDF?   N   Max   Enrollment   May PDF?   N   Max   M					nen en		Time	Tillic		Day	.?				
Course Codes  Code Number   Subletter   Home   Dept?   May PDF?   Nay Audil?   Y    Itilia   Advanced Dynamics   Assignments   Max Surpoil   Max PDF?   Nay Audil?   Y    Itilia   Advanced Dynamics   Assignments   Max Surpoil   Max PDF?   Nay Audil?   Y    Itilia   Advanced Dynamics   Assignments   Max Surpoil   Max PDF?   Nay Audil?   Y    Itilia   Advanced Dynamics   Assignments   Max Surpoil   Max PDF?   Nay Audil?   Y    Itilia   Advanced Dynamics   Assignments   Max Surpoil   Max Dynamics   M						20316	13:30:00	14.50.00	FINEH 110	Т	N	Clare	ence	Worth	Rowley
Dept?   May PDF?   Nay Audit?   Y		_	01		30	20310	13.30.00	14.50.00	THINEIT TIO		.	Clar	CITICC	Worth	Rowicy
Title Advanced Dynamics	Course Codes	Code	Number 5	Sublette											
Advanced Dynamics   Assignments   Website		NAA = .	- 42			i.									
Sections   Principles and methods for formulating and analyzing mathematical models of physical systems; Newtonian, Lagrangian, and Hamiltonian formulations of particle and rigid and elastic body dynamics; canonical transformations, Hamilton-Jacobi theory; and integrable and nonintegrable and noni	Fitto			micc	Υ				,	Υ					
Principles and methods for formulating and analyzing mathematical models of physical systems; Newtonian, Lagrangian, and Hamiltonian formulations of particle and rigid and elastic body dynamics; canonical transformations, Hamilton-Jacobi theory; and integrable and nonintegrable systems. Additional topics are explored at the discretion of the instructor.    Format   Number   Status   Table   Status   Table   Time   Ti		Advanc	ed Dynar	ITHICS											
Principles and methods for formulating and analyzing mathematical models of physical systems; Newtonian, Lagrangian, and Hamilton-Jacobit theory; and integrable and rigid and elastic body dynamics; canonical transformations, Hamilton-Jacobit theory; and integrable and nonintegrable and nonintegrab										00 0+6	or				
mathematical models of physical systems. Newtonian, Lagrangian, and Hamiltonian formulations of particle and rigid and elastic body dynamics; canonical transformations, Hamilton-Jacobi theory: and integrable and nonintegrable systems. Additional topics are expired at the discretion of the instructor.    Sections		Principl	es and m	nethods	for fo	rmulating	and analyzin	าต				`			
Lagrangian, and Hamiltonian formulations of particle and rigid and elastic body dynamics; canonical transformation. Sample Reading List   Li	Description								Grading	Pen	гуре	:			
Format   Number   Status   Sections   Format   Number   Status   Sections   Sections   Format   Number   Status   Sections   Sections   Format   Number   Status   Sections   Sections   Sections   Sections   Format   Number   Status   Sections   Se									Sample Readir	na Aut	or Na	ne	Title		
Hamilton-Jacobi theory; and integrable and nonintegrable systems. Additional topics are explored at the discretion of the instructor.  Format Number   Status   Statu													-	al Mechanics	S
The instructor.   C. Lanczos   The Variational Principles of Mechanics										٧.١.	Arnold				
Format   Number   Status   S				onal topi	cs are	explored	at the discre	etion of					Mechan	nics	
Format Number   Status   Statu		the inst	tructor.							C. L	anczos				nciples of
Course Codes  Code   Number   Subletter   Home Dept?   AST   551   Y   MAX   Enrollment   Subject   Subject   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subj							1							nics	
Course Codes  Code   Number   Subletter   Home Dept?   AST   551   Y   MAX   Enrollment   Subject   Subject   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subj	Sections	Format	Number	Status	Enr.			le i	In			_		T	T
Course Codes  Code   Number   Subletter   Home Dept?   AST   551   Y   MAX. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   Y   May Audit?   Y   Assignments   Max. Enrollment   30   May PDF?   Y   May Audit?   May Audit?   May Audit?   Y   May Audit?   May Audit?					<u></u> ~	Number			Place		—IB,	First		Middle	Last
Course Codes  Code   Number   Subletter   Home Dept?   AST   551   Y   MAX   Enrollment   Subject   Subject   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May PDF?   Y   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subject   Subject   May Audit?   Y   Assignments   Max. Enrollment   Subject   Subj					ner		Time	rime		Day	:>				
Course Codes  Code Number Subletter Home Dept?  AST 551 Y MAE 525 N May Audit? Y May Audit? May PDF? May Audit? Y May Audit? Y May Audit? Y May Audit? May PDF? May Audit? May Audit? May PDF? May Audit? May PDF? May Audit? May PDF? May Audit?		c	01			20217	11.00.00	12.20.00	EOHAA A224	т	N	N		loromy	Vacdin
AST 551 Y  MAE 525 N  If title General Plasma Physics I  Coescription  An introductory course to plasma physics, with sample applications in fusion, space and astrophysics, semiconductor etching, microwave generation, plasma propulsion, high power laser propagation in plasma; characterization of the plasma state, Debye shielding, plasma and cyclotron frequencies, collision rates and meanfree paths, atomic processes, adiabatic invariance, orbit theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Statu		١	01		30	20317	11.00.00	12.20.00	LQUAN AZZ4		.	14.		Scienty	Kasuiii
AST 551	Course Codes	Code 1	Number !	Sublette	r Hor	ne			Max. Enrollme	nt 30					
MAE   525															
Final Exam Type Other  Grading  An introductory course to plasma physics, with sample applications in fusion, space and astrophysics, semiconductor etching, microwave generation, plasma propulsion, high power laser propagation in plasma; characterization of the plasma state, Debye shielding, plasma and cyclotron frequencies, collision rates and meanfree paths, atomic processes, adiabatic invariance, orbit theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Number Beg. Time Time Time Place Days Tirst Middle Last First Middle Last First Middle Last First Number J. First Middle Last First Middle Last First Number J. First Middle Last First Middle Last First Number J. First Middle Last First Number J. First Number N		AST 5	551		Υ				May Audit?	Υ					
Final Exam Type  Other  Grading  An introductory course to plasma physics, with sample applications in fusion, space and astrophysics, semiconductor etching, microwave generation, plasma propulsion, high power laser propagation in plasma; characterization of the plasma state, Debye shielding, plasma and cyclotron frequencies, collision rates and meanfree paths, atomic processes, adiabatic invariance, orbit theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Number Beg. Find Time Time Time Time Time Other  Grading Perc. Type  Sample Reading Author Name Title Goldston and Introduction to Plasma Physics Status on Goeler GPPI lecture notes  Hazeltine and Waelbroeck The Framework of Plasma Physics Status		MAE 5	525		N				Assignments						
An introductory course to plasma physics, with sample applications in fusion, space and astrophysics, semiconductor etching, microwave generation, plasma propulsion, high power laser propagation in plasma; characterization of the plasma state, Debye shielding, plasma and cyclotron frequencies, collision rates and mean-free paths, atomic processes, adiabatic invariance, orbit theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Status Number Number Number Status Number Number Status Number Number Number Number Status Number Numbe	Γitle	Genera	l Plasma	Physics	I				Website						
An introductory course to plasma physics, with sample applications in fusion, space and astrophysics, semiconductor etching, microwave generation, plasma propulsion, high power laser propagation in plasma; characterization of the plasma state, Debye shielding, plasma and cyclotron frequencies, collision rates and meanfree paths, atomic processes, adiabatic invariance, orbit theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Number Beg. End Time Time Time Time Time Time Time Time			_						Final Exam Ty	pe Oth	er				
applications in fusion, space and astrophysics, semiconductor etching, microwave generation, plasma propulsion, high power laser propagation in plasma; characterization of the plasma state, Debye shielding, plasma and cyclotron frequencies, collision rates and meanfree paths, atomic processes, adiabatic invariance, orbit theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Status Number Beg. First Middle Last Time Time Time Time Time Time Time Time									Grading	Per	. Туре	<u> </u>			
semiconductor etching, microwave generation, plasma propulsion, high power laser propagation in plasma; characterization of the plasma state, Debye shielding, plasma and cyclotron frequencies, collision rates and meanfree paths, atomic processes, adiabatic invariance, orbit theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Status Number Beg. First Middle Last Status Number Reg. Number Reg. First Middle Last Status Status Number Reg. First Middle Last Status Status Number Reg. First Middle Last Status Status Status Number Reg. First Middle Last Status Status Status Number Reg. First Middle Last Status	Description							ıple							
propulsion, high power laser propagation in plasma; characterization of the plasma state, Debye shielding, plasma and cyclotron frequencies, collision rates and mean-free paths, atomic processes, adiabatic invariance, orbit theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Number Status Number Beg. Find Time Time Place Days Day First Middle Last Number Status N															
characterization of the plasma state, Debye shielding, plasma and cyclotron frequencies, collision rates and mean-free paths, atomic processes, adiabatic invariance, orbit theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Number Status Number Status Number Status Number Number Status Number N									List				Introdu	iction to Pla	sma Physics
plasma and cyclotron frequencies, collision rates and mean- free paths, atomic processes, adiabatic invariance, orbit theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Number Beg. End Time Time Place Days First Middle Last  C 01 0 30 21697 10:00:00 10:50:00 JADWH A07 M N Nathaniel J. Fisch													CDDL In	cturo notos	
free paths, atomic processes, adiabatic invariance, orbit theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Number Status Number Status Number Status Number Status Number Status Number Number Status Number Number Number Status Number Num															Plasma Physics
theory, magnetic confinement of single-charged particles, two-fluid description, magnetohydrodynamic waves and instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Status Number Status Number Status Number Numbe													THE FIA	illework of	Plasilia Pilysics
Instabilities, heat flow, diffusion, kinetic description, and Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status Status Status Number Beg. Find Time Status Sta										vva	ibi occ	ı,			
Landau damping. The course may be taken by undergraduates with permission of the instructor.  Sections  Format Number Status F Status Number Status Number Status Number Status Number Number Status Number Number Status Number N															
undergraduates with permission of the instructor.       Sections     Format     Number     Status     Status     Sections     Meetings     Instructors       Beg.     Find     Place     Days     First     Middle     Last       C     01     0     30     21697     10:00:00     10:50:00     JADWH A07     M     N     Nathaniel     J.     Fisch								, and							
Format Number Status															
C 01 O 30 21697 10:00:00 10:50:00 JADWH A07 M N Nathaniel J. Fisch	Sections	Format	Number	Status	<u> </u>	SCORE	Meetings					Instruc	tors		
C 01 O 30 21697 10:00:00 10:50:00 JADWH A07 M N Nathaniel J. Fisch					ax.	Number	Beg.	End	Place	Days	Ħ			Middle	Last
C 01 O 30 21697 10:00:00 10:50:00 JADWH A07 M N Nathaniel J. Fisch					me		Time				3A?				
C 01 O 30 21697 10:00:00 10:50:00 JADWH A07 M N Nathaniel J. Fisch					nt										
W Hong Qin		С			30		10:00:00	10:50:00	JADWH A07	М	N			J.	
										W		Hon	g		Qin
				1						F					
						•									
								•							
								•							

Course Codes	oouc I	Number S	Jabiette	Dep				Max. Enrollmer May PDF?	N					
	GEO 4	125		Υ				May Audit?	N					
	MAE 4	125		N				Assignments	Three	to fou	r problen	ns every	two weeks.	
Title	Introdu	ction to F	Physical	Ocea	nography			Website						
Topic								Final Exam Typ						
Subletter								Grading	Perc.	Type				
Description						luence on the			20	MidTe	m Exam			
						t. The contra			40	Final E	xam			
						nd deep ocea			40		m Set(s)			
						tation; the w	rind-	Sample Readin	g Auth	or Name	è	Title		
	driven	gyres; the	e tnerm	onalir	e circulat	ion.		List	Pond	& Picka	ard		ctory Dynan	
													graphy, 2nd	
									Picka	rd & En	nery			I Oceanography
													duction	
										Univer		Ocean (	Circulation (	2001)
										se Tean		Mayron	tidos ond C	Shallow Mater
										Univer se Tean		Process		Shallow-Water
Sections	Format	Numbor	Status	m z	SCORE	Meetings			Cour	е геап	Instruct		25	
Sections	Tomat	Number	Status	nrc	Number	Beg.	End	Place	Days	П	First	013	Middle	Last
				<u> </u>	Transci	Time	Time	i lacc	Days	TBA?	11130		ivilduic	Last
		Number		ien		Time	711110		Day	,>				
	L	01	0	30	20027	10:00:00	10:50:00	GUYOT 154	M	N	Anan	d		Gnanadesikan
		31		33	20021	10.00.00	10.30.00	30101 134	W	''	Andi	-		Shariadesikan
									F					
		1												
Course Codes	Code N	Number 5	Sublette					Max. Enrollmer						
				Dep	ot?			May PDF?	N					
	MAE 5			Υ				May Audit?	Υ					
Title	Optics a	and Laser	rs .					Assignments						
Topic		_						Website						
Subletter	A ! t				.61	Taustan Institut	-	Final Exam Typ						
Description						Topics includ		Grading	Perc.	Туре				
						and matter, characterist		0 1 5 "						
					onlinear o		103 01	Sample Readin List		eth, Ala		Title	la amaatlaa f	or Combustion
	idocio,	iigiit scat	tering, t	aria ii	orini icai o	ptics.		LIST	ECKD	em, Ala	in C		ature & Spe	
Sections	Format	Number	Status	m <	SCORE	Meetings		l			Instruct		ature & Spe	.cics
occions	Torride	IVallibei	Status	Max. Enrollment	Number	Beg.	End	Place	Days	∃	First	013	Middle	Last
				m		Time	Time		Day	TBA?				
				ent					,	~				
	L	01	0	20	20312	13:30:00	14:20:00	EQUAJ J201	M	N	Richa	ard	Bryant	Miles
									W					
									F					
0 0 1				1				"						
Course Codes	Code	Number	sublette					Max. Enrollmer						
	1445	-54		Dep	ot?			May PDF?	N					
Tial -	MAE 5			Υ				May Audit?	Υ					
Title	Fluid IVI	echanics						Assignments						
Topic		-						Website	0.11					
Subletter Description	An intro	aduction	to fluid	moch	anice The	course expl	oros tha	Final Exam Typ Grading						
Description						s in integral a		Grauling	Perc.	Type				
						pressible flow		Sample Readin	a Auth	or Name		Title		
						f energy add		List	9 Autili	or ivalifi		riue		
	friction;	; unstead	y and to	wo-dir	mensional	flows and m	ethod of							
						pressible flo								
						n, and potent	ial flows.							
Castlana	Introdu	ces visco	us and	aiffus	ive pheno						land i			
Sections	Format	Number	Status	·inro	SCORE Number	Meetings	Fm -	Diag	Darre		Instruct	ors	Mistali.	Lost
				)	Number	Beg. Time	End Time	Place	Days	TBA?	First		Middle	Last
				nen		rime	rime		Day	.5				
	_	01	0	÷	20210	10.00.00	11.00.00	EQUAJ J201		N.	C		Looks	Drouge
		01	0	20	20318	10:00:00	11:20:00	EQUAJ J201	W	N	Garry	/	Leslie	Brown
	L								F					
	L								- 1		1			
	L			l										
	L													
	L						•							
	L													
	L													
	L													
							•							
							•							

Course Codes		Number S		Dep				Max. Enrollme May PDF?		Υ					
	CEE 3	361		Υ				May Audit?		N					
	MAE 3	325		N				Assignments		Eight h	omew	ork sets,	two mid	term exam	s, one final proje
Title			sis and	Introd	uction to	Finite Eleme	nt	Website							
	Method	ls						Final Exam Ty	ре	Other					
Topic		_						Grading		Perc. T	уре				
Subletter										30 N	/lidTer	m Exam			
Description						lysis. Direct s					esign	Project(	s)		
						nding membe			_			n Set(s)			
						Assembling of ary condition		Sample Readir		Author		:	Title		
						Special analy		List		McGuir		la sa	Matrix S	tructural Ar	nalysis
						. Introductio				Gallagh Wiley	iei, Jo	nn			
	basic fo	ormulatio	n. Plane	stres	s and pla	ne strain pro	blems.			Kwon a	nd Ra	na	The Finit	a Flament	Method Using
						mplementation				CRC	na bo	g,	MatLab	ic Licinom	wethou osing
						omputer code	es using		-	Zienkie	wicz.	Taylor		e Element	Method: Its Bas
		b is emph				course.				and Zh				damentals	
Sections	Format	Number	Status	Ma En	SCORE	Meetings						Instruct	ors		
				<u>≅</u> ×	Number	Beg.	End	Place	Da	ıys	TBA?	First		Middle	Last
				me		Time	Time			Day	A?				
															<u> </u>
	L	01	0	20	20236	11:00:00	12:20:00	FRIEN 109		T	N	Jean-	Herve		Prevost
	P	01	0	20	22275	10.20.00	22.22.62	EDIEN 007	_	Th	NI	NULL			Dahhe
	P	01	0	30	22365	19:30:00	22:20:00	FRIEN 007		Th	N	Nima			Rahbar
												Jean- Scott	Herve	Edward	Prevost Sanborn
	P	02	Х	25	22366	19:30:00	22.20.00	MCCOH B59		М	N	Nima		Luwaiu	Rahbar
			•			17.30.00	22.20.00				IN	MIIIIA			Natioal
Course Codes	Code I	Number 5	Sublette					Max. Enrollme	ent						
				Dep	<u>t?</u>			May PDF?		Υ					
			3	Y N				May Audit?		Υ					
Title	MAE 5		. Took		ond Fra	vironmental F	Dallay.	Assignments Website							
Topic		n a Greer					rollcy	Final Exam Ty	mo	Other		_			
Subletter	Living	ii a Greer	iiiouse.	I CCIII	lology &	rulicy		Grading	_	Perc. T	ivne				
Description	These a	are cours	es inten	ded to	help stu	dents develo	p and	Grading	-	i cic. ji	урс				
						ic, technolog		Sample Readir	na	Author	Name		Title		
						policy intere		List	,						
		are num	bered 5	85, S	pring cou	rses are num	bered								
· ··	586.	Is	I 01 1		00005										
Sections	Format	Number	Status	nrc inrc	SCORE Number	Meetings Beg.	End	Place	Do	N/C	_	Instruct First	DIS	Middle	Last
				ĬĦ .	INGITIBEI	Time	Time	Flace		iys Day	TBA?	11131		Middle	Last
		Number		ent						Day	.?				
	S	01	0		23080	19:00:00	22:00:00	ROBEH 015		М	N	Robe	rt	Harry	Socolow
	1		•						٠.					, ,	
Course Codes	Code	Number S	Sublette					Max. Enrollme	ent						
	14AF	-0.7		Dep	ť?			May PDF?		N	_				
Title		of Gases		ΙT				May Audit? Assignments		Y					
Topic	PHYSICS	OI Gases						Website	-						
Subletter								Final Exam Ty	me	Other					
Description	Physica	I and che	mical to	pics o	of basic in	nportance in	modern	Grading		Perc. T	vpe				
,						combustion		- ruunig		. 0.0.11	750				
	statistic	cal calcula	tions o	ther	nodynam	ic properties		Sample Readir	ng	Author	Name	:	Title		
						; adiabatic		List	-						
						ems; quantur									
	mechai					ecular structu sport proper									
						brational, an									
	atomic-	n kinetics				n, emission,									
	atomic- reaction		illella,												
	atomic- reaction ionizati	on pheno	diation		SCORE	Meetings						Instruct	ors		
Sections	atomic- reaction ionizati	on pheno	diation	Ma Eni		Beg.	End	Place		ıys	TBA?	First		Middle	Last
Sections	atomic- reaction ionizati	on pheno	diation	Max. Enrolli	Number	9.				Day	A?				
Sections	atomic- reaction ionizati	on pheno	diation	Max. Enrollme	Number	Time	Time								
Sections	atomic- reaction ionizati	on pheno tion of rad Number	Status					FOUR : : : :							
Sections	atomic- reaction ionizati	on pheno	diation	Max. Enrollment 15	Number 20313			EQUAJ J201		M	N	Szym	on		Suckewer
Sections	atomic- reaction ionizati	on pheno tion of rad Number	Status					EQUAJ J201		W	N	Szym	on		Suckewer
Sections	atomic- reaction ionizati	on pheno tion of rad Number	Status					EQUAJ J201			N	Szym	on		Suckewer
Sections	atomic- reaction ionizati	on pheno tion of rad Number	Status					EQUAJ J201		W	N	Szym	on		Suckewer
Sections	atomic- reaction ionizati	on pheno tion of rad Number	Status					EQUAJ J201		W	N	Szym	on		Suckewer
Sections	atomic- reaction ionizati	on pheno tion of rad Number	Status					EQUAJ J201		W	N	Szym	on		Suckewer
Sections	atomic- reaction ionizati	on pheno tion of rad Number	Status					EQUAJ J201		W	N	Szym	on		Suckewer

				Dep	ne t?			Max. Enrollme May PDF?	N						
	MAE 5	531		Y				May Audit?	Y						
Title	Combus							Assignments	-						
Topic								Website							
Subletter								Final Exam Ty	pe C	Other					
Description	Chemic	al thermo	dynami	cs, th	eory of cl	nemical kinet	ics,	Grading		Perc. T	vpe				
	oxidatio	n of hydr	ogen a	nd hy	drocarbor	ns, transport		3	É		-				
	phenon	nena, con	servatio	on equ	ations of	chemically re	eacthing	Sample Readir	ng A	Author	Name		Title		
						ar premixed		List	S	SR Turr	าร		An Intro	duction to (	Combustion;
						nation waves,							Concept	s and Applic	ations
						inction, flame	Э		I	Glassr	man		Combus	tion	
	Stabiliza	ation and				mistry.			K	Kikad	)			es of Combu	stion
Sections	Format	Number	Status	Max. Enrollment	SCORE	Meetings						Instruct	ors		•
				e ×	Number	Beg.	End	Place	Day	/S	TBA?	First		Middle	Last
				ner		Time	Time		L	Day	<b>\?</b>				
	L	01	0	15	20314	15:00:00	16:20:00	FRIEN 202	<u>N</u>	N N	N	Chun	g	King	Law
		i							V	IV					
Course Codes	Code N	Number S	ublette					Max. Enrollme	nt 1	15					
	igsquare			Dep	t?			May PDF?	Y	1					
		555		Υ				May Audit?	Υ	1					
Title	Non-Eq	uilibrium	Gas Dy	namic	S			Assignments							
Topic								Website							
Subletter								Final Exam Ty	_						
Description	Noncon	tinuum d	escritpi	on of	transport	and reactive	flow.	Grading	Р	Perc. T	уре				
						Bolzmunn ed									
						ear-equilibrional and cher		Sample Readir		Author			Title		
						plasma with		List	G	GA Bird					mics and direct
	reaction		, SHOCK	Jii uci	urc, uria	piasiria witii	Cricimical		V	NG Vin	conti	0 CH	simulatio		sical Gas Dynam
										kruger		м СП	milouud	Liloii to Pilys	sical Gas Dyllali
Sections	Format	Number	Status	Щ≤	SCORE	Meetings				u agoi	J.	Instruct	ors		
				Max. Enrollment	Number	Beg.	End	Place	Day	/S	J.T	First		Middle	Last
				m		Time	Time			Day	TBA?				
				ent						•					
	L	01	0	15	20315	11:00:00	12:20:00	FRIEN 306	N		Ν	Yigua	ing		Ju
									Т	Γh					
Course Codes	Code N	Number S	Sublette	Hon	ne			Max. Enrollme	nt 1	15					
004.50 00405	0000	idiiiboi d	abiotto	Dep				May PDF?	N						
	MAE 5	553		Υ				May Audit?	Y	/					
Title	Turbule	nt Flow						Assignments							
Topic								Website							
Subletter								Final Exam Ty	pe C	Other					
Description	Physica	and stat	istical d	lescrip	tions of t	urbulence, a	nd a	Grading	Р	Perc. T	уре				
						ories for turb									
						notion; correl		Sample Readir	ng A	Author	Name		Title		
	and cno					ows; inhomo		List							
	shear fl	ry lavore.	Calcula												
	shear fl bounda	ry layers;	equatio	// IS, L		course is offe									
	shear fl bounda (Reynol	lds stress		resea											
	shear fl bounda (Reynol directio	lds stress ns in turb te vears.	ulence												
Sections	shear fl bounda (Reynol directio	lds stress ns in turb te vears.	ulence		SCORE	Meetings						Instruct	ors		
Sections	shear fl bounda (Reynol directio	lds stress ns in turb te vears.	ulence		SCORE Number	Meetings Beg.	End	Place	Day	/S	TB	First	ors	Middle	Last
Sections	shear fl bounda (Reynol directio	lds stress ns in turb te vears.	ulence				End Time	Place		/s Day	TBA?		ors	Middle	Last
Sections	shear fl bounda (Reynol directio	lds stress ns in turb	Status	Max. Enrollment	Number	Beg. Time	Time		С	Day	TBA?	First			
Sections	shear fl bounda (Reynol directio	lds stress ns in turb te vears.	Status			Beg. Time	Time	Place EQUAJ J201	С	ys Day	TBA? z			Middle John	Last

Code N	Number S	Sublette	Hon	ne			Max. Enrollmer	nt 15				
			Dep	t?			May PDF?	N				
MAE 5	64		Υ				May Audit?	Υ				
MSE 5	512		N				Assignments					
Structu	ral Materi	ials					Website					
	_						Final Exam Typ	oe Other				
							Grading	Perc. 1	Гуре			
Stress/s	strain beh	navior of	f mate	erials; dis	location theo	ry and	-					
								g Author	Name	Title		
							List					
		gn. Fati	gue m	necnanisn	ns and life pre	ediction						
Format	Number	Status	m z	SCORE	Mootings					Instructors		
Torriat	Number	Status	na)	Number	Desi	For all	Disease	D			A At al all a	11
			o⊪ (	Number	Beg.	-	Place	Days	ΓB,	FIFST	Midale	Last
			nent		Time	rime		Day	(?			
	01	0	15	23592	15.00.00	16.20.00	COMPLL 102	т	N	Winston	Oluwole	Soboyejo
	MAE 5 MSE 5 Structu  Stress/s strengtl selectio yield cr bounds Mechan studies method	MAE 564 MSE 512 Structural Materi Stress/strain betstrengthening mselection. Funda yield criteria. Cabounds. Basic el Mechanisms of f studies and desimethodologies. Format Number	MAE 564 MSE 512 Structural Materials  Stress/strain behavior of strengthening mechanis selection. Fundamentals yield criteria. Case study bounds. Basic elements Mechanisms of fracture. studies and design. Fatimethodologies.  Format Number Status	MAE 564 Y MSE 512 N Structural Materials  Stress/strain behavior of materials of played criteria. Case study on formation from the studies and design. Fatigue methodologies.  Format Number Status n Max May 2011 Number Status n Max May 2011 Number Status n Max May 2011 Number	MSE 512 N Structural Materials  Stress/strain behavior of materials; dis strengthening mechanisms; yield strens selection. Fundamentals of plasticity yield criteria. Case study on forging; up bounds. Basic elements of fracture. Fra Mechanisms of fracture. Fra fracture t studies and design. Fatigue mechanism methodologies.  Format Number Status The Status St	MAE 564 Y MSE 512 N Structural Materials  Stress/strain behavior of materials; dislocation theo strengthening mechanisms; yield strength; material selection. Fundamentals of plasticity, Tresca and Vo yield criteria. Case study on forging: upper and low bounds. Basic elements of fracture. Fracture mecha Mechanisms of fracture. The fracture toughness. Ca studies and design. Fatigue mechanisms and life pre methodologies.  Format Number Status Status SCORE Number Beg. Time	Dept?	Dept?   May PDF?   May Audit?	Dept?   May PDF?   N	Mag PDF?   Nay Audit?   Value   Valu	MAE 564 Y MSE 512 N MSE 51	May PDF?   Nay Audit?   Yamse   Structural Materials   National May PDF?   Nay Audit?   Yamse   Structural Materials   National Materials   Structural Materials   Website   Final Exam Type   Other   Grading   Perc.   Type   Strengthening mechanisms; yield strength; materials   Selection. Fundamentals of plasticity, Tresca and Von Mieses   Sample Reading   Author Name   Title   Sample Reading   List   Sample Reading   Sample Reading   Author Name   Title   Sample Reading   Sam