

# **Department of Aeronautical Engineering**

Bengaluru-560107

### **COURSE OUTCOMES**

DEPARTMENT	AE	SEMESTER	3	COURSE CODE	18AE32	COURSE ID	C202		
COURSE TITLE		Aero Thermodynamics							
COURSE OUTCO	ME	COURSE OUTCOME STATEMENTS							
C202.1		Apply the concepts and definitions of thermodynamics.							
C202.2		Differentiate	therm	nodynamic work	and heat a	and apply I law	and II law of		
				different proces					
C202.3		Apply the pri	nciples	s of various gas o	cycles				
C202.4									
C202.5						1			
DEPARTMENT	AE	SEMESTER	3	COURSE CODE	18AE33	COURSE ID	C203		
COURSE TITLE		Mechanics o	f Mate						
NO	ME			COURSE OUT	COME STATI	EMENTS			
C203.1		Apply the ba	sic con	cepts of strengtl	h of material	S.			
C203.2		·		ain under differe					
C203.3		Distinguish th	ne proj	perties of differe	nt materials				
C203.4									
C203.5									
DEPARTMENT	AE	SEMESTER	3	COURSE CODE	18AE34	COURSE ID	C204		
COURSE TITLE		Elements of	Aerona	autics					
COURSE OUTCO	ME			COURSE OUT	COME STATI	EMENTS			
C204.1		Appreciate a	nd app	ly the basic prin	ciple of aviat	tion			
C204.2		aircraft prop		of fundaments of and aircraft mat			·		
		aircraft							
C204.3		Comprehend	the co	mplexities invol	ved during d	levelopment of	flight vehicles.		
C204.4									
C204.5	۸-	CENTECTED		COLIDE	104535	COLUBERIE	6205		
DEPARTMENT	AE	SEMESTER	3	COURSE CODE	18AE35	COURSE ID	C205		
COURSE TITLE		Mechanics o	f Fluid						
COURSE OUTCO	ME			COURSE OUT	COME STATI	EMENTS			
C205.1		Evaluate the	effect	of fluid properti	es.				
C205.2		Apply the go	vernin	g laws of fluid flo	ow.				
C205.3		Classify diffe	rent ty	pes of fluid flow	S.				
C205.4			_						
C205.5									



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DEPARTMENT	AE	SEMESTER	3	COURSE	18AE36	COURSE ID	C206		
COLUBER TITLE		CODE							
COURSE OUTCO	NAT	ivieasureme	Measurement and Metrology						
NO	JIVIE	COURSE OUTCOME STATEMENTS							
C206.1		Apply the standards of measurement, system of limits, fits, tolerances and gauging.							
C206.2		Identify and	Identify and use appropriate measuring instruments.						
C206.3		Acquire the l	knowle	dge on measure	ment and m	easurement sy	stems		
C206.4									
C206.5				I	T	1			
DEPARTMENT	AE	SEMESTER	3	COURSE	18AEL37A	COURSE ID	C207		
COURSE TITLE		MEACHDENA	ENITS A	CODE  ND METROLOG	VIAD				
COURSE OUTCO	NAE	IVIEASUREIVI	ENISA	COURSE OUT		ENJENITS			
NO	)IVIE			COURSE OUT	COIVIE STATI	EIVIEIVIS			
C207.1				different measu					
C207.2		Identify, de terminology.		and explain ac	curacy, pred	cision, and so	ome additional		
C207.3		Conduct, Analyze, interpret, and present measurement data from measurements experiments.							
C207.4				<u> </u>					
C207.5									
DEPARTMENT	AE	SEMESTER	3	COURSE CODE	18AEL38	COURSE ID	C208		
COURSE TITLE		MACHINE SH	IOP LA	В			l		
COURSE OUTCO	OME			COURSE OUT	COME STATI	EMENTS			
NO									
C208.1		Demonstrate manufacturi		peration of gen cess.	eral purpose	machine tools	and		
C208.2		Identify the	special	purpose machin	e tools for s	pecific requirer	nents		
C208.3		Develop phy	sical m	odels using diffe	rent manufa	cturing proces	ses.		
C208.4									
C208.5									
DEPARTMENT	AE	SEMESTER	5	COURSE CODE	18AE51	COURSE ID	C301		
COURSE TITLE		MANAGEM	ENT AN	D ENTREPRENE	URSHIP		•		
COURSE OUTCO	OME			COURSE OUT	COME STATI	EMENTS			
C301.1		Explain abou	it the n	nanagement and	l planning.				
C301.2		Apply the kn controlling.	owledg	ge on planning, c	organizing, st	affing, directin	g and		
C301.3			•	ements towards	the small-sc	ale industries a	and project		
C301.4									
C301.5									
		ı							



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DEPARTMENT	AE	SEMESTER	5	COURSE CODE	18AE52	COURSE ID	C302		
COURSE TITLE		AERODYNAMICS - II							
COURSE OUTCO	OME	COURSE OUTCOME STATEMENTS							
NO									
C302.1		Utilize the concepts of compressible flow and shock phenomenon							
C302.2		Apply knowledge of oblique shock and expansion wave formation.							
C302.3		Measure the	param	neters high speed	d flow.				
C302.4									
C302.5	۸۲	CENAFCTED	_	COLIDEE	104553	COLUBERIO	6202		
DEPARTMENT	AE	SEMESTER	5	COURSE	18AE53	COURSE ID	C303		
COURSE TITLE		AIRCRAFT ST	RUCTU	JRES - I					
COURSE OUTCO	OME			COURSE OUT	COME STATI	EMENTS			
C303.1		Apply the ba	sic con	cepts of stress a	nd strain and	alysis.			
C303.2		Compute the	e impad	ct stress.					
C303.3		Identify appi	ropriate	e materials for su	uitable appli	cation based or	n properties.		
C303.4									
C303.5			•	<b>-</b>		<u> </u>	<b>,</b>		
DEPARTMENT	AE	SEMESTER	5	COURSE CODE	18AE54	COURSE ID	C304		
COURSE TITLE		INTRODUCT	ION TO	COMPOSITE MA	ATERIALS				
COURSE OUTCO	OME			COURSE OUT	COME STATI	EMENTS			
C304.1		-		iges of using con	-	erials as an alte	rnative to		
C304.2		Describe the parts.	advar	nced fabrication	and proces	sing for produ	cing composite		
C304.3			micro-	and macro-med	chanical beha	avior of compo	site laminates		
C304.4						-			
C304.5									
DEPARTMENT	AE	SEMESTER	5	COURSE CODE	18AE55	COURSE ID	C305		
COURSE TITLE		AIRCRAFT SY	STEM	& INSTRUMEN	TATION				
COURSE OUTCO	OME			COURSE OUT	COME STATI	EMENTS			
C305.1		Distinguish t	he con	ventional and m	odern contro	ol systems.			
C305.2		Classify the a	aircraft	systems.					
C305.3		Categorize d	ifferen	t types of aircraf	t instrument	is			
C305.4									
C305.5									
DEPARTMENT	AE	SEMESTER	5	COURSE CODE	18AE56	COURSE ID	C306		
COURSE TITLE		THEORY OF	VIBRAT	TIONS					



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COURSE OUTCO	OME			COURSE OUT	COME STAT	EMENTS			
C306.1		Apply the pri	Apply the principle of super position to Simple Harmonic Motions.						
C306.2		Determine th	Determine the vibrations using vibration instruments.						
C306.3		Analyze the multi-degree freedom systems.							
C306.4									
C306.5				T					
DEPARTMENT	AE		SEMESTER 5 COURSE 18AEL57 COURSE ID C307 CODE						
COURSE TITLE		AERODYNAN	AICS LA						
NO	OME			COURSE OUT		EMENTS			
C307.1				alization techniq					
C307.2			•	re distribution o	over the bod	ies.			
C307.3		Calculate the	lift an	d drag.					
C307.4									
C307.5					48				
DEPARTMENT	AE	SEMESTER	5	COURSE CODE	18AEL58	COURSE ID	C308		
COURSE TITLE		ENERGY CON	IVERSI	ON AND FLUID I					
NO	OME			COURSE OUT	COME STATI	EMENTS			
C308.1		Operate the instrument and measure the BP, FP, IP and AF ratio.							
C308.2		Find the effice fuel.	ciency	of the engine and	d Estimate th	ne calorific valu	e of the given		
C308.3		Verify the Be	rnoulli	's equation.					
C308.4		Evaluate the	viscos	ity of fluid.					
C308.5				<del>-</del>					
DEPARTMENT	ΑE	SEMESTER	7	COURSE	18AE71	COURSE ID	C401		
				CODE					
COURSE TITLE		AIRCRAFT ST	ABILIT	Y AND CONTRO					
NO	OME			COURSE OUT	COME STAT	EMENTS			
C401.1		Apply the co	ncepts	of aircraft static	stability and	d control.			
C401.2				nd analyze stabil		ers.			
C401.3		Apply the kn	nowled	ge of dynamic st	ability.				
C401.4									
C401.5									
DEPARTMENT	AE	SEMESTER	7	COURSE CODE	18AE72	COURSE ID	C402		
COURSE TITLE		COMPUTATI	ONAL	FLUID DYNAMIC	S				
COURSE OUTCO	OME			COURSE OUT	COME STATI	EMENTS			
C402.1				DM, FVM and FEI					
C402.2		Perform the	flow, s	tructural and the	ermal analys	is.			



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C402.3		Utilize the discretization methods according to the application.							
C402.4									
C402.5				T	T				
DEPARTMENT	ΑE	SEMESTER	7	COURSE	18AE731	COURSE ID	C403		
				CODE					
COURSE TITLE		FATIGUE AND FRACTURE MECHANICS							
COURSE OUTCO	OME			COURSE OUT	COME STAT	EMENTS			
NO		- I	c	<u> </u>					
C403.1		Evaluate the fatigue of structures.							
C403.2				ngth of cracked					
C403.3		Distinguish t	he safe	life and fail safe	e design.				
C403.4									
C403.5				T	T				
DEPARTMENT	ΑE	SEMESTER	7	COURSE	18AE742	COURSE ID	C404		
				CODE					
COURSE TITLE		WIND TUNN	EL TEC						
NO	OME			COURSE OUT	COME STATI	EMENTS			
C404.1		Apply the pri	inciple	s and procedure	s for model t	esting in the w	ind tunnel.		
C404.2		Classify the t	ypes a	nd functions of v	wind tunnel.				
C404.3		-		ventional measu		niques and spe	cial wind		
		tunnel techn							
C404.4									
C404.5									
DEPARTMENT	ΑE	SEMESTER	7	COURSE	18AE753	COURSE ID	C405		
				CODE					
COURSE TITLE		UNMANNED AERIAL VEHICLES							
NO	OME	COURSE OUTCOME STATEMENTS							
C405.1		Apply the ba	sic con	cepts of UAV sys	stems.				
C405.2		Explain the b	asic ae	erodynamics, pei	rformance, s	tability and con	trol required		
C405.3			opulsio	on system and m	aterials for s	tructures.			
C405.4		, , , , , , , , , , , , , , , , , , ,	1	,					
C405.5									
DEPARTMENT	AE	SEMESTER	7	COURSE CODE	18AEL76	COURSE ID	C406		
COURSE TITLE		MODELING 8	& ANA		l				
COURSE OUTCO	OME			COURSE OUT	COME STATI	EMENTS			
C406.1		Draw the geo	ometri	c models of symi	metric, camb	ered aerofoil	nozzle, wing		
C-100.1		and other sti		•	ctric, curric		iozzie, willig		
C406.2				es of meshing.					
C406.3				nd stress analysi	S.				
C406.4		. c. c. in the		50. 655 41141951	<del>-</del> -				
C406.5									
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ACHARIA		Bengaluru-560107								
DEPARTMENT	AE	SEMESTER	7	COURSE	18AEL77	COURSE ID	C407			
	- 1-		_	CODE		0001102112				
COURSE TITLE		FLIGHT SIMU	JLATIO				I			
COURSE OUTCO	OME	COURSE OUTCOME STATEMENTS								
NO		COUNTRY OF THE STATE WILLIAM								
C407.1		Plot the root	locus	and bode plot.						
C407.2		Calculate the	e dynar	mics response of	aircraft.					
C407.3		Use computa	ational	tools to model a	aircraft trajed	ctory.				
C407.4										
C407.5										
DEPARTMENT	AE	SEMESTER	4	COURSE CODE	18AE41	COURSE ID	C211			
COURSE TITLE		COMPLEX A	NALYSI	S, PROBABILITY	AND STATIS	TICAL METHO	OS			
COURSE OUTCO	OME			COURSE OUT	COME STAT	EMENTS				
NO										
C211.1										
C211.2										
C211.3										
C211.4										
C211.5	Ī		1	T	T		T			
DEPARTMENT	AE	SEMESTER	4	COURSE CODE	18AE42	COURSE ID	C212			
COURSE TITLE		Aerodynami	ics-I							
COURSE OUTCO	OME	COURSE OUTCOME STATEMENTS								
NO										
C212.1				foil characteristi						
C212.2		•		se the incompre						
C212.3			wing th	eory and design	high lift syst	tems from the a	aerodynamics			
		view point								
C212.4										
C212.5		CENASCES		COLUDEE	404543	COLUBERIO	624.2			
DEPARTMENT	AE	SEMESTER	4	COURSE CODE	18AE43	COURSE ID	C213			
COURSE TITLE		Aircraft Prop	oulsion							
COURSE OUTCO	OME	COURSE OUTCOME STATEMENTS								
C213.1		Apply the ba	isic prir	nciple and theory	y of aircraft p	propulsion.				
C213.2		Explain the f turbines	unctio	ns of centrifugal,	axial compr	essors, axial an	d radial			
C213.3			perforr	nance of nozzles	& inlets and	d combustion c	hamber.			
C213.4		,				<u></u>				
C213.5										
DEPARTMENT	AE	SEMESTER	4	COURSE CODE	18AE44	COURSE ID	C214			
0011005 5151 5		N/a ala a sai a saa	ond N	Tachine Theory	<u> </u>		I			
COURSE TITLE		liviechanisms	s ann iv	iacillie illeur						



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ACHARYA		Department of Aeronautical Engineering  Bengaluru-560107							
COURSE OUTCO	ME	COURSE OUTCOME STATEMENTS							
NO									
C214.1		Apply the theory of velocity, acceleration and static force analysis to design of							
C214.1		mechanisms.							
C214.2		Design spur a	gears,	gear train, balan	cing of rotati	ng and recipro	cating masses.		
C214.3		Apply govern	nors an	d gyroscope					
C214.4									
C214.5									
DEPARTMENT	AE	SEMESTER	4	COURSE	18AE45	COURSE ID	C211		
COURSE TITLE		Aircraft Mat	erial S						
COURSE OUTCO	MF	7.11.01.01.01.01	<u> </u>	COURSE OUT	COME STATI	MENTS			
NO				333					
C215.1		Identify appr	opriat	e aircraft materi	als for a give	n application.			
C215.2			ropert	ies of super alloy	ys, ablative n	naterials and hi	gh energy		
		material.							
C215.3		Understand	materi	al corrosion prod	cess and app	y prevention to	echnique.		
C215.4									
C215.5 DEPARTMENT	AE	SEMESTER	4	COURSE	18AE46	COURSE ID	C216		
	AE		_	CODE	18AE40	COURSE ID	C216		
COURSE TITLE		Turbomachii	nes						
COURSE OUTCO	ME			COURSE OUT	COME STATE	EMENTS			
C216.1		Compute the	energ	y transfer and e	nergy transfo	ormation in tur	bo machines.		
C216.2		Analyze the	design	of turbo machin	e blades.				
C216.3		Apply hydrau	ılic pur	mps and turbines	s for specific	requirements			
C216.4									
C216.5				T	ı				
DEPARTMENT	ΑE	SEMESTER	4	COURSE	18AEL47A	COURSE ID	C217		
COURSE TITLE		MATERIAL T	ECTINIC	CODE					
COURSE OUTCO	ME	IVIATERIALT	LOTING	COURSE OUT	COME STATI	EMENTS			
NO	IVIL			COUNSE 001	CONLINA	LIVILIVIS			
C217.1		Apply the rel	ations	among material	s and their p	roperties.			
C217.2		Differentiate	the fo	rmation, proper	ties and sign	ificance of the	alloys through		
		different exp			J				
C217.3		Understand	the dif	ferent types, adv	antages and	applications of	f various NDT		
		methods.							
C217.4									
C217.5					Т				
DEPARTMENT	AE	SEMESTER	4	COURSE CODE	18AEL48	COURSE ID	C218		
COURSE TITLE		COMPUTER	AIDED	AIRCRAFT DRAV	VING				
COURSE OUTCO	ME			COURSE OUT	COME STATI	EMENTS			



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		Deligarar a Delici							
C218.1		Distinguish d	lrawin	gs of machine an	d aircraft co	mponents			
C218.2		Identify asse	mbly c	lrawings either n	nanually or b	y using standar	d CAD		
		packages.	•	-	•	- <del>-</del>			
C218.3			stand	ard components	and their as	sembly of an ai	rcraft.		
C218.4			·						
C218.5									
DEPARTMENT	AE	SEMESTER	6	COURSE	18AE61	COURSE ID	C311		
				CODE					
COURSE TITLE		AIRCRAFT PE	RFOR						
COURSE OUTCO	ME	_		COURSE OUT	COME STAT	EMENTS			
NO									
6244.4		Apply the ba	sic airr	olane performan	ce paramete	rs.			
C311.1		,	<u>'</u>		<u>'</u>				
C311.2		Differentiate	the ai	rcraft performar	nce in steady	un accelerated	and		
		accelerated f							
C311.3		Explain the a	ircraft	maneuver perfo	rmance.				
C311.4									
C311.5									
DEPARTMENT	AE	SEMESTER	6	COURSE	18AE62	COURSE ID	C312		
				CODE					
COURSE TITLE		AIRCRAFT ST	RUCT						
COURSE OUTCO	ME	COURSE OUTCOME STATEMENTS							
NO									
C312.1		Utilize the concepts of thin walled beams.							
C312.2		Calculate the buckling of plates							
C312.3		Analysis the stress in wings and fuselage frames.							
C312.4									
C312.5									
DEPARTMENT	AE	SEMESTER	6	COURSE	18AE63	COURSE ID	C313		
				CODE					
COURSE TITLE		FINITE ELEM	ENT M	IETHOD					
COURSE OUTCO	ME			COURSE OUT	COME STAT	EMENTS			
NO									
C313.1		Apply discret	tisation	n technique for d	lomain deco	mposition			
C313.2		Evaluate the	effect	s of different loa	ding and boo	undary conditio	ns		
C313.3				ing equations of		-			
C313.4						•			
C313.5									
DEPARTMENT	AE	SEMESTER	6	COURSE	18AE642	COURSE ID	C314		
				CODE					
COURSE TITLE		NUMERICAL	METH	ODS					
COURSE OUTCO	ME			COURSE OUT	COME STAT	EMENTS			
NO									
C314.1		Apply the ba	sic cor	cepts of numeri	cal methods.				
C314.2		Compute the	Eigen	values, Eigen ve	ctors, nume	rical differentia	tion and		
		integration.		, , , , ,	2, 1, 1, 1, 1, 1, 1, 1		<del></del>		
integration.									



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C314.3		Perform the curve fitting and root finding.							
C314.4									
C314.5									
DEPARTMENT	ΑE	SEMESTER	6	COURSE	18AE653	COURSE ID	C315		
				CODE					
COURSE TITLE		BASICS OF ROCKETS & MISSILES							
COURSE OUTCO	OME			COURSE OUT	COME STATI	EMENTS			
NO									
C315.1		Identify the	types c	of space launch v	ehicles and r	nissiles.			
C315.2		Distinguish t	he soli	d and liquid prop	ellant moto	rs.			
C315.3		Classify diffe	rent ty	pes of materials	used for roc	kets and missie	·S.		
C315.4									
C315.5									
DEPARTMENT	AE	SEMESTER	6	COURSE	18AEL66	COURSE ID	C316		
				CODE					
COURSE TITLE		AIRCRAFT PI	ROPUL						
NO	OME			COURSE OUT	COME STATI	EMENTS			
C316.1		Analyze the	cascad	e testing of axial	compressor	and axial turbi	ne blade row.		
C316.2		Evaluata tha	norfor	manca of a jot o	ngino				
C316.2		Evaluate the performance of a jet engine.  Perform the measurement of a flame and nozzle flow.							
C316.3		TETIOTHI THE IHEASUTETHETIC OF A HATHE AND HOZZIE HOW.							
. 73165									
C316.5	ΔF	SEMESTER	6	COURSE	18AFL67	COURSE ID	C317		
C316.5 DEPARTMENT	AE	SEMESTER	6	COURSE	18AEL67	COURSE ID	C317		
	AE	SEMESTER AIRCRAFT ST		CODE	18AEL67	COURSE ID	C317		
COURSE TITLE COURSE OUTCO				CODE			C317		
DEPARTMENT COURSE TITLE		AIRCRAFT ST	TRUCTI	CODE URES LAB COURSE OUT	COME STATI	EMENTS			
COURSE TITLE COURSE OUTCO		AIRCRAFT ST	TRUCTI	CODE URES LAB	COME STATI	EMENTS			
COURSE TITLE COURSE OUTCO		AIRCRAFT ST	rRUCTI	CODE URES LAB COURSE OUT	COME STATI	EMENTS			
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3		Compute the Verify the M	rRUCTI e deflec	CODE URES LAB COURSE OUT	COME STATI	EMENTS am and cantilev			
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4		Compute the Verify the M	rRUCTI e deflec	CODE URES LAB COURSE OUT ction of simply so s's theorem.	COME STATI	EMENTS am and cantilev			
COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4  C317.5	DME	Compute the Verify the M Determine to	e deflection axwell	CODE URES LAB COURSE OUT ction of simply so 's theorem. kling load, shear	rCOME STATI upported bear failure and s	ements  am and cantileventes  thear centre.	ver beam.		
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4		Compute the Verify the M	rRUCTI e deflec	CODE URES LAB COURSE OUT ction of simply so s's theorem.	COME STATI	EMENTS am and cantilev			
COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4  C317.5	DME	Compute the Verify the M Determine to	e deflection axwelline buck	CODE URES LAB COURSE OUT ction of simply so s's theorem. kling load, shear  COURSE CODE	rCOME STATI upported bear failure and s	ements  am and cantileventes  thear centre.	ver beam.		
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4  C317.5  DEPARTMENT	OME AE	Compute the Verify the M Determine the SEMESTER	e deflection axwelline buck	CODE URES LAB COURSE OUT ction of simply so s's theorem. kling load, shear  COURSE CODE	failure and s	ements  am and cantileventes  chear centre.	ver beam.		
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4  C317.5  DEPARTMENT  COURSE TITLE	OME AE	Compute the Verify the M Determine the SEMESTER	e deflection axwelline buck	CODE URES LAB COURSE OUT ction of simply si 's theorem. kling load, shear  COURSE CODE ESIGN	failure and s	ements  am and cantileventes  chear centre.	ver beam.		
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4  C317.5  DEPARTMENT  COURSE TITLE COURSE OUTCO	OME AE	AIRCRAFT ST  Compute the Verify the M Determine the SEMESTER  FLIGHT VEHI	e deflection axwell he buck	CODE URES LAB COURSE OUT ction of simply si 's theorem. kling load, shear  COURSE CODE ESIGN	failure and s	EMENTS  am and cantileventes  chear centre.  COURSE ID  EMENTS	ver beam.		
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4  C317.5  DEPARTMENT  COURSE TITLE COURSE OUTCO NO	OME AE	AIRCRAFT ST  Compute the Verify the M Determine the SEMESTER  FLIGHT VEHI  Calculate the	e deflection axwell' he buck	CODE URES LAB COURSE OUT ction of simply so s's theorem. kling load, shear  COURSE CODE ESIGN COURSE OUT	failure and s  18AE81  COME STATE and wing loa	EMENTS  am and cantileventes  chear centre.  COURSE ID  EMENTS	ver beam.		
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4  C317.5  DEPARTMENT  COURSE TITLE COURSE OUTCO NO  C411.1	OME AE	AIRCRAFT ST  Compute the Modernment of the Moder	e deflection axwell he buck	CODE URES LAB COURSE OUT ction of simply si 's theorem. kling load, shear  COURSE CODE ESIGN COURSE OUT	failure and s  18AE81  COME STATI	EMENTS  am and cantileventes  chear centre.  COURSE ID  EMENTS	ver beam.		
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4  C317.5  DEPARTMENT  COURSE TITLE COURSE OUTCO NO  C411.1  C411.2	OME AE	AIRCRAFT ST  Compute the Modernment of the Moder	e deflection axwell he buck	CODE URES LAB COURSE OUT ction of simply so s's theorem. kling load, shear  COURSE CODE ESIGN COURSE OUT t to weight ratio vehicle perform	failure and s  18AE81  COME STATI	EMENTS  am and cantileventes  chear centre.  COURSE ID  EMENTS	ver beam.		
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4  C317.5  DEPARTMENT  COURSE TITLE COURSE OUTCO NO  C411.1  C411.2  C411.3	AE DME	AIRCRAFT ST  Compute the Modernment of the Moder	e deflection axwell he buck	CODE URES LAB COURSE OUT ction of simply so s's theorem. kling load, shear  COURSE CODE ESIGN COURSE OUT t to weight ratio vehicle perform	failure and s  18AE81  COME STATI	EMENTS  am and cantileventes  chear centre.  COURSE ID  EMENTS	ver beam.		
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4  C317.5  DEPARTMENT  COURSE TITLE COURSE OUTCO NO  C411.1  C411.2  C411.3  C411.4	AE DME	AIRCRAFT ST  Compute the Modernment of the Moder	e deflection axwell he buck	CODE URES LAB COURSE OUT ction of simply so so theorem. kling load, shear  COURSE CODE ESIGN COURSE OUT t to weight ratio vehicle perform ms as per vehicl  COURSE COURSE	failure and s  18AE81  COME STATI	EMENTS  am and cantileventes  chear centre.  COURSE ID  EMENTS	ver beam.		
COURSE TITLE COURSE OUTCO NO  C317.1  C317.2  C317.3  C317.4  C317.5  DEPARTMENT  COURSE TITLE COURSE OUTCO NO  C411.1  C411.2  C411.3  C411.4  C411.5	AE	Compute the Verify the M Determine the SEMESTER  FLIGHT VEHI  Calculate the Compute the Select the su	e deflection axwell he buck 8  CLE DE thrus e flight absyste	CODE URES LAB COURSE OUT ction of simply so so theorem. kling load, shear  COURSE CODE ESIGN COURSE OUT t to weight ratio vehicle perform ms as per vehicl	failure and s  18AE81  COME STATE and wing loa ance. e design.	EMENTS  am and cantilevente course in the co	ver beam.		



# **Department of Aeronautical Engineering**

COURSE OUTCO	OME		COURSE OUTCOME STATEMENTS						
C412.1		Select the su	Select the suitable data bus based on the application.						
C412.2		Identify the	suitable	e navigation syst	ems.				
C412.3		Distinguish t	he avio	nics system arch	nitecture.				
C412.4									
C412.5									
DEPARTMENT	AE	SEMESTER	SEMESTER 8 COURSE 18AE822 COURSE ID C413						
COURSE TITLE		BOUNDARY	LAYER	THEORY					
COURSE OUTCO	OME			COURSE OUT	COME STATI	EMENTS			
C413.1		Apply the basic concepts and equations of viscous flow.							
C413.2		Discuss the importance of Navier Stokes equation.							
C413.3		Measure the	turbul	ence.					
C413.4									
C413.5									