JCC OFFICIAL COURSE OUTLINE

Course number, title and credits: total time allocation

Course Number	ALT 25	5/ELT 166	Credits	_3_	Title		Solar Energ	у			
Lecture/Discussion.	3	hrs/semester		L	ab	1	hrs/semester		Clinical	.0	hrs/semeste
Catalog descriptio	n and Pre	- and Co-requi	isites (Sam	ne as ta	xonomy	and ca	italog)				
This course explo assessment, estir include hands-on successful in this	nating sol activities	ar array electric	ity output,	invert	ters, ba	ttery	systems, and of	f-grid	l/grid-connecte	d syster	ms. Labs
Knowledge, skills	and abilit	ies Students A	cquire fro	m thi	is Cour	se (E	ducational Objectiv	es)			
Applied Solar The Comprehensive T Associate Degree	roublesh	ooting							el types – Syst	em Plai	nning Skills
ADO 7 In order to meet A critically about the and solve problem	e benefits	and impacts of	solar pane								
Units/topics of Inst	ruction										
Site SurBattery t	Site Surveys and PlanningBattery technologyPer					rem Sizing strical Integration (Grid connected and off-grid) nitting and Inspection nomic Analysis (Financial Impact) of Solar					
Instructional Techi	niques ar	d Procedures									
The instructor will accompanying cu Sheets", in the La supplement the si	rriculum . bVolt mar udents le	The instructor nuals will be use arning of the su	will use the ed for labs bject.	ese re . Add	source	s as a	a basis for lectur	es a	nd discussions.	. Exper	riments, or "Jo
Instructional Use of Instructor will use	-				and Uc	mnd	on Engineering I	D\ / T	rainar ta tagah	ntudon	ta
Instructional Mater				yatem	anu ne	arripu	an Engineening i		Tamer to teach	studeni	.5
LabVolt Solar/Wir Textbook (~\$85) I Skills and abilities	nd Training	g System Job S aic Systems, 2 nd	heets for s edition by	/ Jame	nts and es Dunl	instru lop	ictors and Hamp	oden	Engineering P	√ Traine	er
Able to read	⊠ an	imited amount of : average amount above average a	of material	aterial	1	Able t	o compute		basic, pre-algel simple algebrai higher order ma	c proble	ms
Able to read	☐ mo	atively easy mate derately difficult r chnical or sophisti	naterial	rial		Able t	o write		short compositi medium length lengthy compos	compos	itions
Able to use technology	 keyboard skills/familiar with computer computer application web navigation					Other abilitie	necessary es				
The course is usua	lly sched	luled				~~~~					
Day: [☐ Fall	☐ Winter	□ Sp	oring							
Evening: [Prepared by Mark	⊠ Fall Rabinsk y	⊠ Winter	_ s₁	oring			Date	Mar	ch 2, 2010		
Approved by Dept.							Date				
Approved by Dean							Date				

ELT 166 - Course Outline Revised: 01/08

Date

Approved by Curriculum Committee