E 102 Syllabus and Lecture Schedule

Subject to change as we adjust for pace of the term. Check back for updates. *Last updated: 1/8/08*

Month	Date	Day	Speaker	Topic	Comments
Lect 1	1/8	Tues.	Ken Pickar	Introduction and Prese	ntation of Candidate Project Ideas
Class ex	ercise	Who are	e we? Class Ex	pectations. What do yo	u hope to get out of the Class? Discussion of what is
required	1.			-	
Bookkee	eping				
Disc	ussion	and agre	ement on cou	rse times, "rules for the r	road"
			<u>e/Overview</u> .		
Course	e Objec	tives are	discussed. Wł	nat you will know when	you have completed this Course. Teaching strategies are
presen	ted. Th	nese inclu	de heavy emp	hasis on Team-based of	f-line activities, student participation in Class including
presen	tations	, critique	s and discussi	ons, the use of Mentors	assigned to each Team as a resource, the presentation of
difficu	lt, less	familiar s	subjects upfrom	nt. (These include: Team	Formation, Marketing and Sales, Networking, etc.)
	- 0	-		and knowing how to us	e Library secondary research resources. The subjects and
		re review			
Studer	nts invi	ted to pre	esent new lear	nings they have discove	red of general interest. These will be eligible for extra
credit.					
		on and be			
					Team? Introduction to Team Behaviors. Roles of Team
	-	-			continuous involvement, speed and fast iteration.
-			<u>oncept Selecti</u>		
		0		,	s that you are working on. (Professor's permission
-			h science. Otl		
		lable to t	<u>his Class-</u> Mer	ntors for each Team, Res	earch reports and books
Grand F					
-		, 0	J 1	1	nn. Poster session for invited guests.
					lier a team is chosen and a business idea is selected the
		-		1	e and form teams around them. Alternatively, you may
submit	your ov	wn ideas	for approval.	Team diversity by disci	pline, etc., can be helpful.
Exercise	e: List o	of candida	ate projects. St	ay and discuss projects a	and form teams

	ousiness ide				.edu/fc/protect.html . Think about
	Jubinebb rac	a.			-
1/10	Thurs	1. Cand	idate Ideas		
-	Guest	2. Libra	ry resources		Library Lecture - Kristin Buxton
	Lecturer		-		
Caltech	n patent pol	cies. Why	file a patent? How to writ	e a provisional p	atent. How a full utility patent is
			Examples of good and bad	patents. Who ow	vns patent? Patent and common IP
			ideas and form teams		
2					
1/15	Tues.		1. Vision Statement	How to write a	Vision Statement.
, -					n effective Team
introdu	ıced				
and sub	mit forms o	n Team ro	les and behaviors.		
tion for	Lecture 4 R	eadings of	n marketing.		
1/17	1	U		Fred Farina, As	soc. Director, Caltech Technology
,	P	ickar	0	Transfer Office	05
Market	ing a high t	echnology	concept. Segmentation. F	inding key custor	mer. How to get market data. Primary
5	5	-		0 1	
		01			
s on Bu	siness mod	els (to be c	listributed)		
		•	,		
				king to people ab	out their business opportunity is of
					** 5
1/22	Tues	,		tement.	
,		2. Busi	ness Models Lecture		
	The information of the second	Lecturer Caltech patent polit The importance of made by Entrepresentation of the importance of the importance of the importance of the importance of the importance. An onlight the importance of the importance. An onlight term of the importance.	LecturerCaltech patent policies. WhyThe importance of claims. Ifmade by Entrepreneursercise: Discussion of businesseam names and members to Rah1/15Tues.introducedind submit forms on Team roion for Lecture 4 Readings on1/17Thurs.KenPickarMarketing a high technologyndary research. Hypothesis aon: How to do a marketing ps on Business models (to be contained and library data bases)to 2 other potential customeduportance.An online survey1/22Tues1.Each	Lecturer Caltech patent policies. Why file a patent? How to writt. . The importance of claims. Examples of good and bads made by Entrepreneurs ercise: Discussion of business ideas and form teams. eam names and members to Rahul at end of Period 1/15 Tues. 1/15 Tues. 1/15 Tues. introduced nd submit forms on Team roles and behaviors. ion for Lecture 4 Readings on marketing. 1/17 Thurs. Ken Marketing I Pickar Marketing I Marketing a high technology concept. Segmentation. Feedback nd ary research. Hypothesis and Validation. The overrison: How to do a marketing plan. s on Business models (to be distributed) th a web and library data base search to 2 other potential customers/partners. The act of tall uportance. An online survey can be useful.	Lecturer Caltech patent policies. Why file a patent? How to write a provisional p The importance of claims. Examples of good and bad patents. Who over made by Entrepreneurs ercise: Discussion of business ideas and form teams. eam names and members to Rahul at end of Period 1/15 Tues. 1/15 Tues. 1/15 Tues. 1/17 Tues. 1. Vision Statement How to write a How to build a introduced nd submit forms on Team roles and behaviors. ion for Lecture 4 Readings on marketing. Fred Farina, As 1/17 Thurs. Ken Pickar Marketing I Fred Farina, As Transfer Office Marketing a high technology concept. Segmentation. Finding key custor ndary research. Hypothesis and Validation. The overriding importance on: How to do a marketing plan. s on Business models (to be distributed) th a web and library data base search to 2 other potential customers/partners. The act of talking to people ab to 2 other potential customers/partners. The act of talking to people ab portance. An online survey can be useful. 1/22 Tues 1. Each Team Presents Vision Statement.

			3. Intro	duction of Mentors and A	ssignment of Mentors and teams
				ousiness model. Perceived ducts, competitive issues,	value. One time vs. recurring revenue. The Price Curve Scalability
Fill out	questior	nnaire (t	o be supplied)	on Team Effectiveness ar	nd Issues
Medical	0	The Inte	rsection of Soft	1 0 3	tuary 20, 2007 8:00 AM- 12:00 noon c Advancement and Medical Sciences See
Lect 6	1/24	Thur	Chris Halliwell	data base search, Key hy	n Team presents 10 minute results of web and library potheses. g II How to find the key customer?
Prepara	tion for	Lecture	7 Compe	tition Readings	
Lect. 7	1/29	Tues.	Ken Pickar	Competition	Lecture: Competitive Advantage, Entrenched Competition, Response of competition, advantage of speed
5 minut	e preser	itation o	of Business Co	ncept Statement	1
-				to Read a Balance Sheet, I tionv2/fhtml/learning/u	ncome Statement" for example, incomestates.fhtml)
Lect 8	1/1	Thur.	Accounting	Ken Pickar	
cash flo	w stater	nent		;/Fiscal Control Reading a nents? What drives a your	nn income statement, reading a balance sheet, reading a ng company?

Midterm 2/1/06 Prepare presentation 5 pages (word) and 10 minute presentation (PPT) Progress to date and key issues to be resolved for the Final

Lect 9	2/1	Thurs.	1	Midterm Presentations		
Prepara	tion for	Lecture 1	10: Be prepare	d to discuss possible exa	mples of ethical dilemma	s you have faced.
Lect 10	2/5	Tues.	Ethics and 1	Ken Pickar	Ethical behaviors	
			Culture		Establishing and influer	ncing your company's culture
Lecture:	How d	o you ru	n and ethical co	ompany? How do you e	stablish and influence a c	
		•	ethical dilemn			1
	-				can you work to make it	happen?
				5 1 5	5	11
Lect 11	2/7	Thurs.	Leadership	Bill Gross	Market Analysis Updat	e
Lecture:	The 'pe	eople fact	1		yers, Leadership indicato	
			communication		, 1	, , , ,
-				ou will get the best peop	le for your company?	
21000000		, , , , , , , , , , , , , , , , , , ,	a destare trait y	ou		
Sumlem	entaru e	vent Calte	ech/MIT Entern	rise Forum, <u>http://www.en</u>	tforum.caltech.edu/	
			Life Sciences		<u>jerminemreenem,</u>	
Summing	<i>, _</i> /10	Dicicent	Lije selencee			
Prepara	tion for	Lecture	12			
Lect 12	2/12		Sales	Lecture Bill Collins		
Lett 12	2/12	Tues.	Sales	Lecture bin commis		
Eill out	Locon 1		toom offorti	010 0.000		
		5	n team effective			
1			on Corporate S	otructure.		6.6 1·
Lect	2/17	Thurs.	1		Conventional sources of	t funding
12			and Capital			
13			Structure			

Lecture: 1. Various Classes of Corporate organizing principles C corporations, S Corporations, etc. Pros and cons. Discussion: Which type of company is best for you?

Lect 14	2/19	Tues.	Funding		Conventional and Non-conventional sources of
			Strategie		funding
			s		
Lecture:	How is 1	noney ra	ised? What	's the difference between a	VC, Angel, Mezzanine financier, IPO, Acquisition,
Licensin	g. What	non-trad	itional meth	ods of financing are availa	able? (Friends and family, small business loans,
governn	nent cont	racts, co	nsulting, pa	art time employment, share	ed quarters, joint marketing, visa cards, etc. Discussion :
What are	e the fina	incial obj	ectives of yo	our company? Are they acl	hievable?
Class Ro	le Play e	xercise b	etween VC	and entrepreneur.	
	5				
Lect 15	2/21	Thurs	How to	Jim Brown	Ken Traveling J
			write a		
			great		
			business		
			plan		
Feb 22 9:	30 to 12:	00 Tenta	tive Special	Event: Tech Coast Angels	at Caltech. See actual presentations by entrepreneurs
to angel	s <u>http://v</u>	<u>vww.tecl</u>	hcoastangel	<u>s.com/</u>	
	1	r	1		
	-		L	should/could you outsou:	rce to build your company?
			ss issues.		
Exercise	on Core	Compete	ence, what s	should be outsourced and l	how?
Discussi	on: Meet	in Team	s to agree of	n Strategy. Prepare 5 minu	te presentation on outsourcing strategy. Present to
Class W	hat will y	ou outso	ource? Why	?	
Lect	2/26	Tues.	Financial	Lecture Ken Pickar	

16			Projection												
			s												
Lecture:	How to	write a o	credible pro	forma bus	iness plan that	you ca	an belie	eve ir	n. The j	orinci	ple o	f self	f cor	nsister	ncy.
What are	e reason	able nun	nbers? Where	e are the re	ed flags? How c	can yo	ou mak	e you	ır plan	robu	st? W	hat	are t	he m	ost
importai	nt paran	neters to	watch?												
Final sur	vey on	Team Ef	fectiveness												
Lect 17	2/28	Thur	How to wr	ite a	Lecture Ken P	Pickar									
			great busin	less plan											
What are	e the cor	nstituent	s of a great p	olan?											
Lect 18	3/4	Tues.	Summary												
	3/4	Tues.	Summary lecture												
	3/4	Tues.	5												
Lect 18	3/4	Tues.	5	Rehearse	e talks video and	nd discu	uss								
Lect 18		1	lecture	Rehearse	e talks video and	nd discu	uss								
Lect 18		1	lecture Rehearsal	Rehearse	e talks video and	nd discu	uss								
		1	lecture Rehearsal of Final	Rehearse	e talks video and	nd discu	uss								
Lect 18		1	lecture Rehearsal of Final		e talks video and e Business Pres			each	team	n Cla	ss Fc	ollow	ved 1	ру Ро	ster
Lect 18	3/6	Thur	lecture Rehearsal of Final Talk	15 minut		sentati		each	team	n Cla	ss Fc	ollow	ved 1	ру Ро	ster