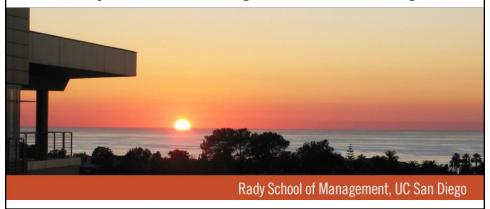
The Lab to Market Course Sequence: Immersion in Innovation @ Rady

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Discipline of Innovation @ Rady



"Innovation does not have to be technical...nor does it have to be a thing. Systematic Innovation consists of the purposeful and organized search for changes, and in the systematic analysis of the opportunities such changes might offer for economic or social benefit.... " - Drucker

Operationalized through a Year long MBA core course sequence titled "Lab to Market"



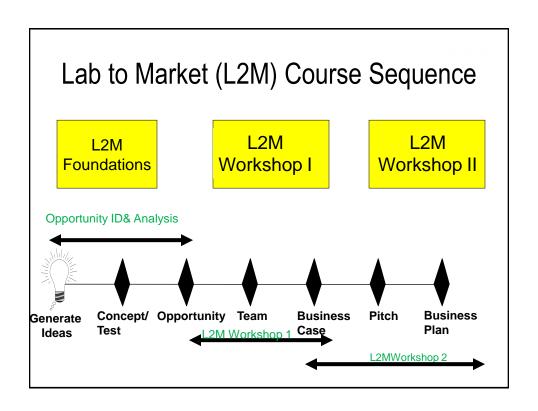
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Building the Innovation Capital

- · The Year long core sequence "Lab to Market"
 - MBA's must create as well as capture value
 - Premium rewards for firms with sustained innovative capability
- Course sequence offers the opportunity to learn and practice idea generation and validation techniques
 - Follows and overlaps the MBA core courses customized to support lab to market.
 - Supported by electives on new product design, industry economics, new venture finance







L2M Course Goals & Objectives

- Develop the knowledge and skills to become an innovative and entrepreneurial manager.
 - Growth-oriented, Value creating!
- Objectives:
 - Practice generating and screening ideas
 - Discern an idea from an "opportunity"
 - Learn techniques for idea validation
 - Start learning about new business planning and creation
 - Become aware of approaches for risk mitigation
 - Learn the concept of business models
 - Begin integrating content learned from other core courses



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What do we Mean By a Lab

- A lab need not be a scientific lab. In this course, we will use the term lab to mean a source of:
 - Technology, Knowledge
 - Unique Capabilities, Valuable Networks
- Lab should be a source of "unfair advantage"
 - Source of uniqueness and differentiation that is hard to replicate.
 - Examples: Company background, Educational background, Experience, Professional & social networks

One of the most common unfair advantages is access to the Univ of California technologies and Intellectual Property!

Investors/business plan competitions like ideas that solve practical problems by harnessing science and technology.



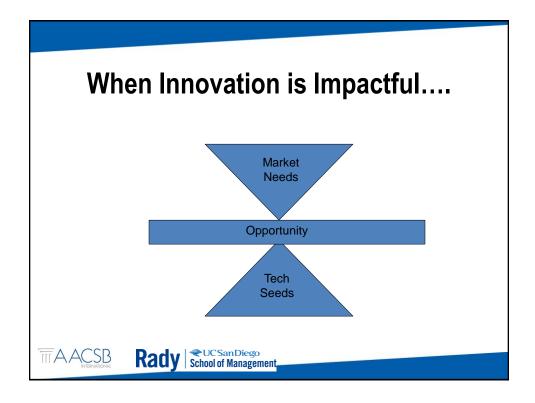
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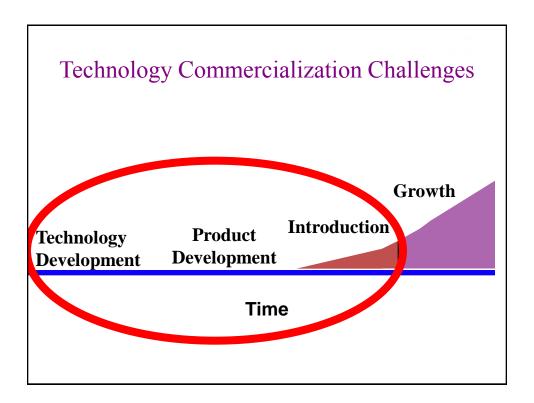
Idea Generation Methods

- Scratching an Itch
- Spotting Anomalies and Incongruities
 - Industry and market shifts
- Process Needs
- Linkages and Product/Market Adjacencies
- Idea Generation Templates, Scenario Planning









L2M Course Approach

- Action Learning
 - Idea Journal
 - Idea Evaluation and Evolution
 - Idea Pitch and Brief
- In-class exercises critiquing idea vignettes
 - External ideas from Salk Institute, Navy's SPAWAR, Scripps and outside companies





L2M Class Project

- Identify Opportunity
 - Compare and contrast multiple ideas
 - Select a primary opportunity
 - Develop an executive summary of the opportunity
- Technology/market opportunities could come from various sources
 - UCSD, Salk, SPAWAR, Cal-IT2, von Liebig
 - Scripps and outside companies





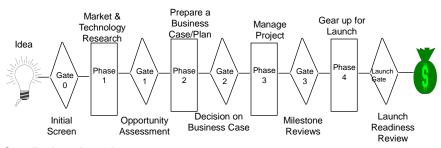
L2M Career Objectives

- Prepare for careers in:
 - Product Management
 - General Management
 - New (corporate) ventures
 - Entrepreneurship
- Entrepreneurial managers, not necessarily entrepreneurs!





Climbing the Corporate Ladder! Ability to Create Growth by turning Ideas into Profitable Products



Contributions through:

Market/Technology Research Product Management

Project Management

New business creation

en route to Senior Management!





Ideation templates

- · Structured approach to ideation
- Identify and apply well-defined schemes to product attributes
 - derived from an historical analysis of product evolution
- Template = systematic change between an early configuration (i.e., current product version) and the one that follows it (i.e., the next version).
 - Simplification: Subtraction, Division
 - Enhancement: Multiplication, Task unification
 - Attribute dependency
 - Components control







Practicing Ideation Methods in Class

- · Generate new offering ideas.
 - Observe prospective customers at various settings and identify needs/pains.
 - Consider products such as USB flash drives, digital frames, cell phones for application of templates.
 - Use scenario analysis and market linkages to create new offerings.



Innovation – A change hard to accept!

- "This 'telephone' has too many shortcomings to be seriously considered as a means of communication. The device is inherently of no value to us." -- Western Union internal memo, 1876.
- "Who the hell wants to hear actors talk?" -- H.M. Warner, Warner Brothers, 1927.
- "640K ought to be enough for anybody." -- Bill Gates, 1981?
- Innovation is messy and idiosyncratic!
- · What we are offering is a framework and practice!

Helping to commit idea generation to muscle memory.



