Curriculum Mapping in an Age of Competency-based Education

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School of Medicine

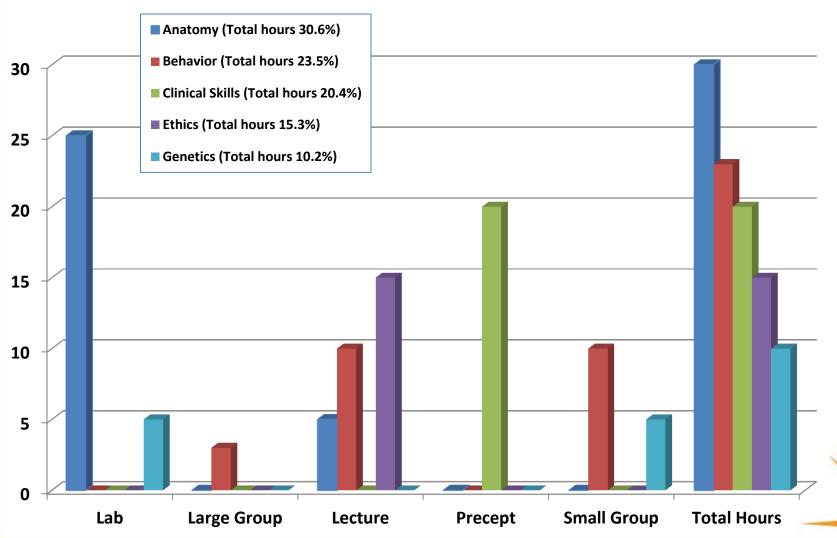
Overview

- Why do we "manage" curriculum?
- What's your educational framework?
- How can we plan to be flexible and adaptable?

Why Manage Curriculum?

- Complete and accurate picture W⁴+H
- Benchmarking, teaching effort and reporting
- Identify gaps and unintentional redundancy
- Deliver content to online course
- Build community and educate faculty
- Facilitate interprofessional curriculum
- Facilitate evaluation process

Teaching Hours By Topic/Modality



What is your educational framework?

- Courses, Sessions, Activities
- Topics, Learning Modalities, Keywords
- Program Objectives and Course Objectives
- Competencies
 - E.g. ACGME, CanMEDs, The Scottish Doctor, etc.
- Milestones and Entrustable Professional Activities (EPAs)



Sessions

ilios2 Home Progra	ms Instructors Learner Groups Courses and S	essions			Sascha Cohen Last Login:	September 5, 2012 9:47 PDT	Logout
UCSF School of Medicine							
I	Search Add New Course			Sa	ve All as Draft Publish All		
	© Course Title Foundations of Patient Care Year 1		Course ID Course Year FPC1_12-13 2012-2013	Course Level Level1	Publish Status Published		
	82 sessions found for this course.			(Al	ipha ascending 💠 Expand All		
	Adult Physical Exam Review				✓ Published ⊗		
	Adult Preceptorship #1				Published &		
	Adult Preceptorship #2				Published &		
					Save Draft Publish		
	Session Title	Adult Preceptorship #2					
	Session Type	Preceptorship					
		☐ Independent Learning			Add Groups		
	Offerings	- Tue Oct 30 2012 13:00 PM - 17:00 PM - Thu Nov 01 2012 13:00 PM - 17:00 PM - Wed Nov 14 2012 08:00 AM - 12:00 PM			Go to Calendar (3) Create Offerings by Group		
	Groups						
	Curriculum Type	Core Supplemental					
	Special Requirements	✓ Special Attire Required ✓ Special Equipment Required					
	Description				Edit		
	Topics	Clinical Skills			Edit		
	MeSH Terms	Medical History Taking; Physical Examination			Edit		
	Learning Materials (0)				Add		
	▼ Objectives (4)	Identify elements of the medical history as thistory is individualized to a specific patient		h the Add MeSH (0)	Add Objective		
		Continue to develop medical history-taking focused medical history	skills, with emphasis on taking a complete	e or Add MeSH (0)			
		Continue to develop physical examination s well as trying to establish a routine or "flow		exam, as Add MeSH (0)			
		Using the Preceptorship Tracker in Portfolio encounters	o, accurately document and reflect upon pa	Add MeSH (0)			
	Adult Preceptorship #3				Published		
	Adult Preceptorship #4				✓ Published ⊗		

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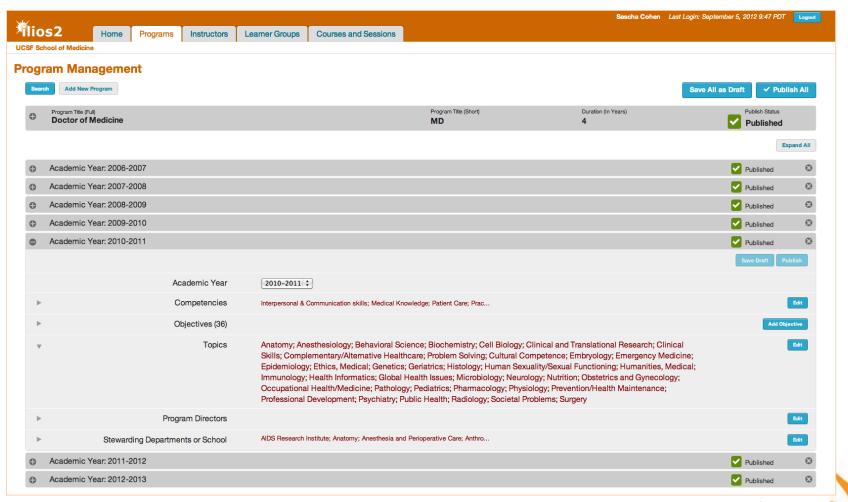
Courses

ios2 Home Programs Instructors Learner Groups Courses and Sess	sions				Sascha Cohen Last Lo
F School of Medicine Search Add New Course				Save	All as Draft
Course Title Foundations of Patient Care Year 1		Course ID FPC1_12-13	Course Year 2012-2013	Course Level Level1	Publish Status Published
Course Name	Foundations of Patient Care Year 1				Show Course Summary
Course ID	FPC1_12-13 ILIOSBYT9C				
Course Year	2012-2013				
Course Level	1 \$				
Program Cohorts	Program Title	Cohort	Curre	nt Level	Select Program Cohorts for Course
	Doctor of Medicine	Class of 2016	1		Suita la Sua su
Associated Student Groups	FPC Small Groups 1 FPC Small Groups 2 FPC Small Groups 3 FPC Small Groups 4 FPC Small Groups 5 FPC Small Groups 6 FPC Small Groups 6 FPC Small Groups 7 EPC Small Groups 7			0	
Start Date	Tue Sep 11 2012 🛅				
End Date	Thu Jun 13 2013 📑				
Competencies					
Topics					Search
Directors	Chang, Anna; Cicoletti, Christina E; Ishizaki, Jenny E	Allison C; Muller, Jessica H	l; Nye, Heather E; Ciccarone	, Daniel H; Crawford,	Search
MeSH Terms					Search
▶ Learning Materials (0)					Search / Add
▼ Objectives (6)	Patient Care			Add MeSH (0)	Add Objective
	Interpersonal and Communication Skil	s		Add MeSH (0)	
	Practice-Based Learning and Improven	nent		Add MeSH (0)	
	Professionalism			Add MeSH (0)	
	Medical Knowledge			Add MeSH (0)	
	Systems-Based Practice			Add MeSH (0)	
Save Draft Publish Course					Reset Form

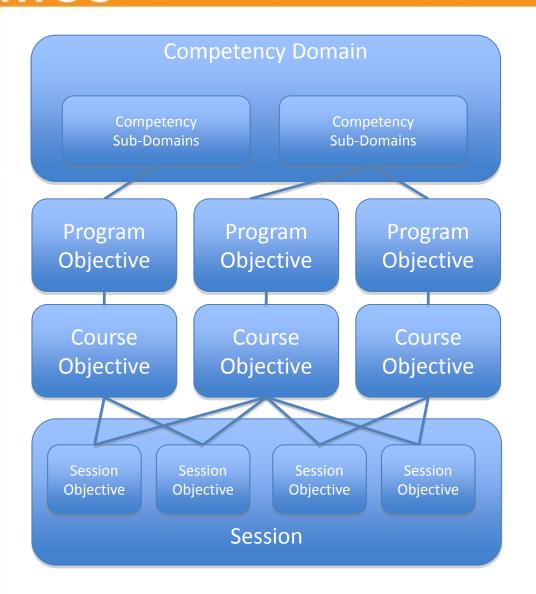
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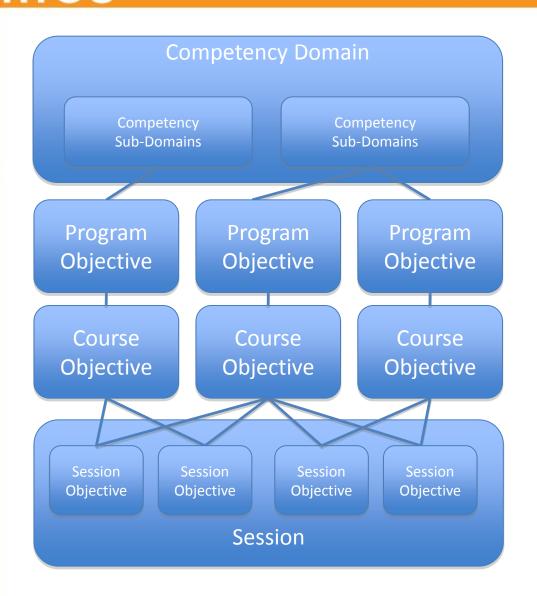


Programs

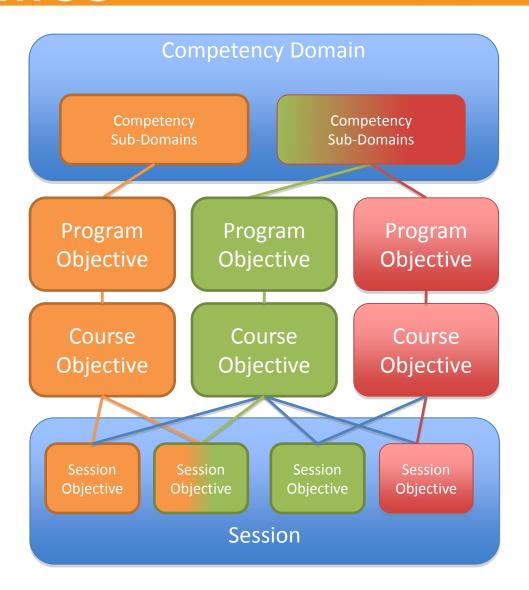


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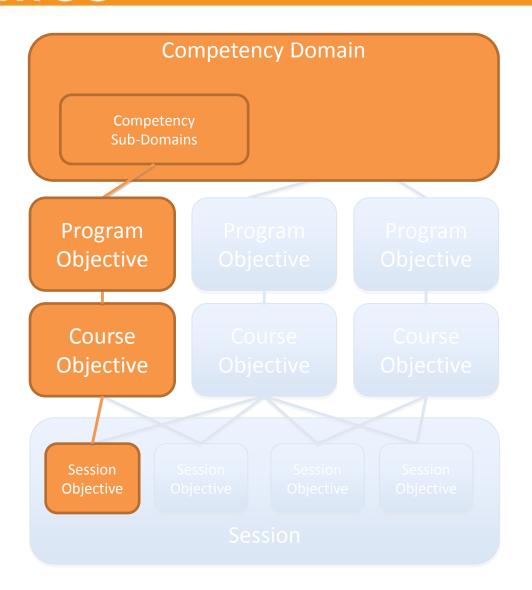




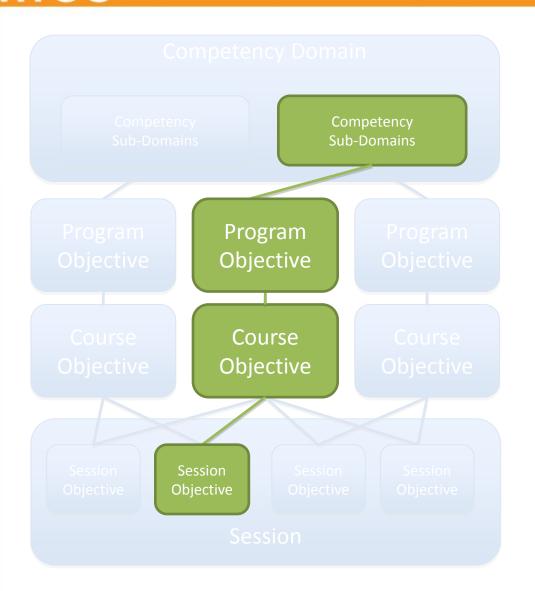
Programs are made up of complex interwoven objectives that overlap at several levels



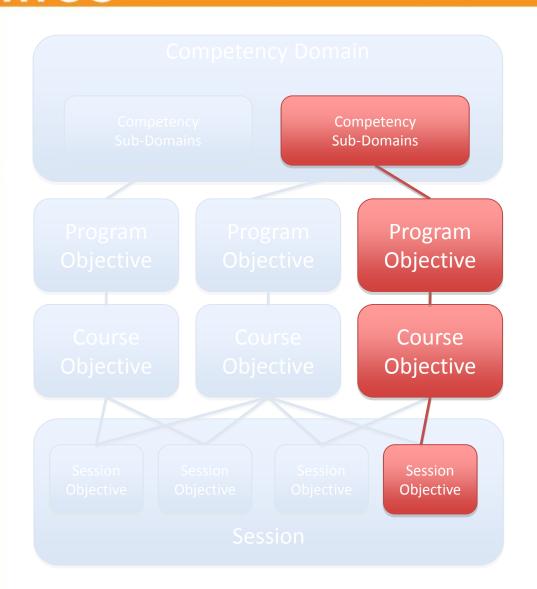
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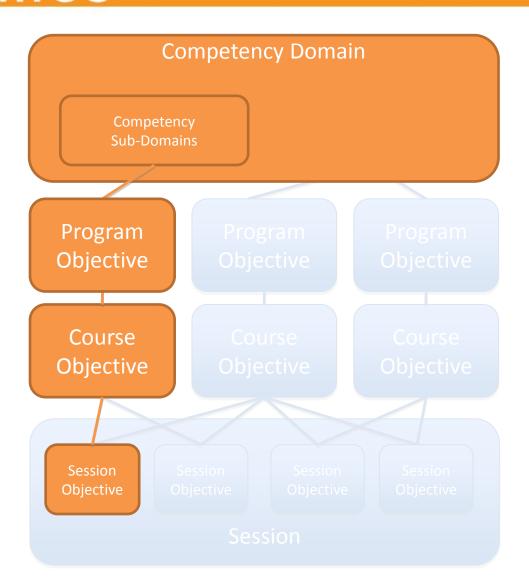
Programs are made up of complex interwoven objectives that overlap at several levels



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Let's track a single
thread from the
Interpersonal and
Communication Skills
From
Competency Domain
to
Session Objective.

Interpersonal and Communication Skills

Program Objective Program Objective

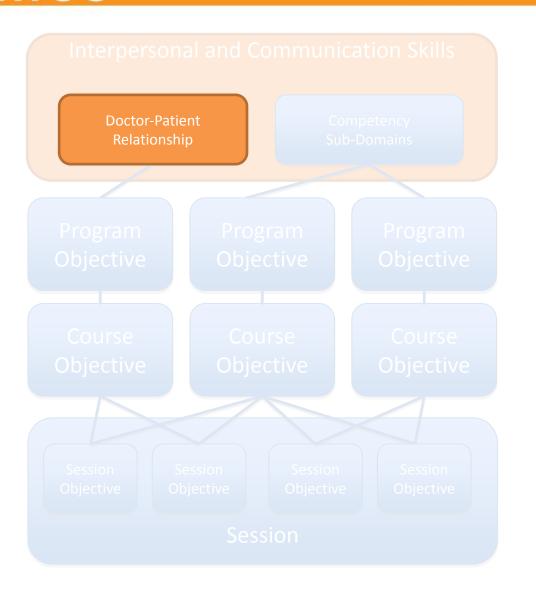
Course Objective Course Objective

Session Objective Session Objective Session

Session Objective Session Objective Session

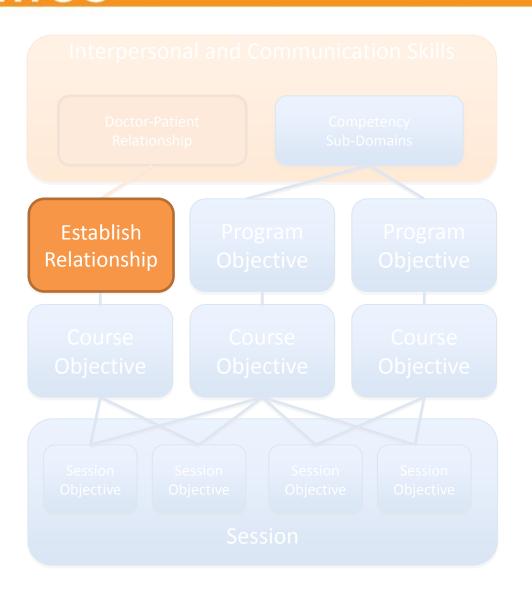
Competency Domain:
Interpersonal and

Interpersonal and Communication Skills



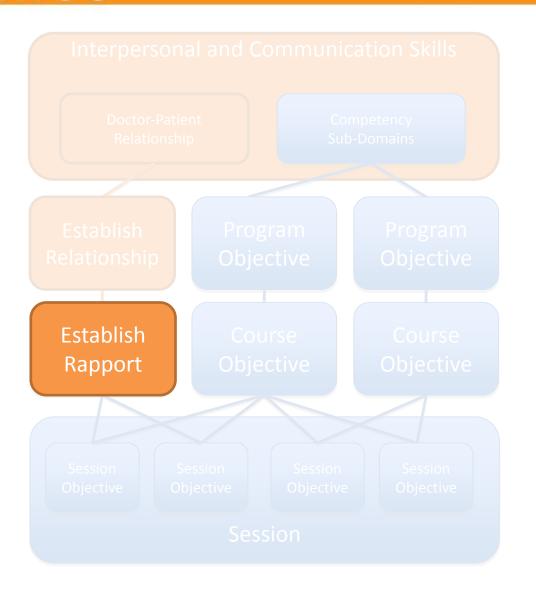
Competency Sub-Domain:

Doctor-Patient Relationship



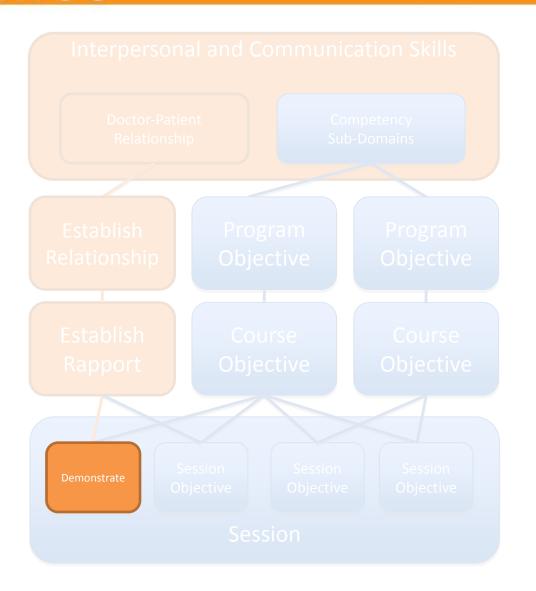
Program Objective:

Establish a collaborative and constructive relationship with patients and their families



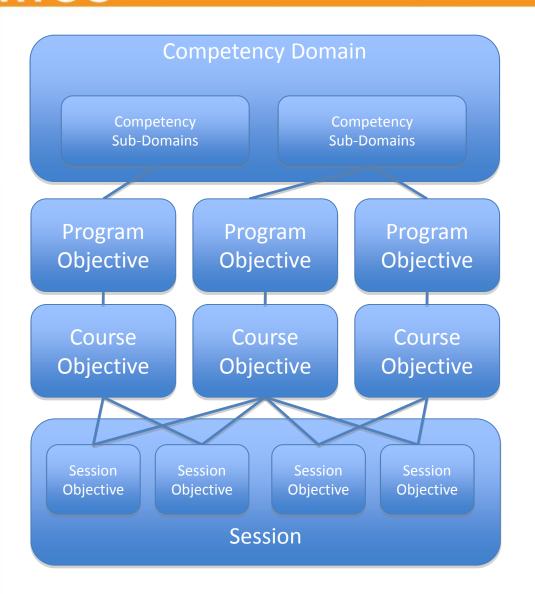
Course Objective:

Establish rapport and demonstrate caring and respectful behaviors when interviewing children, adolescents, adults and elderly patients.

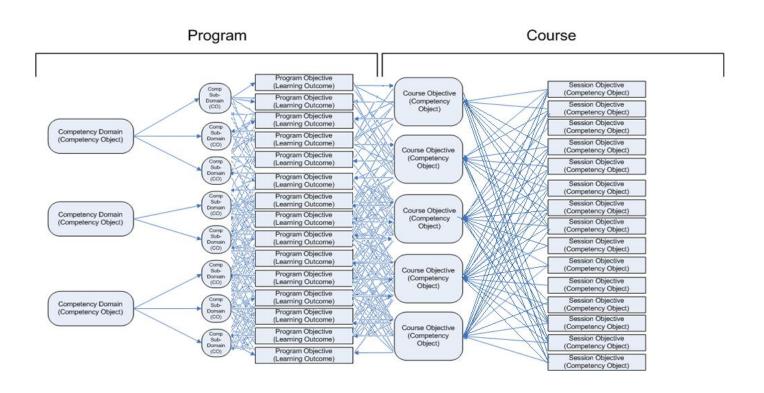


Session Objective:

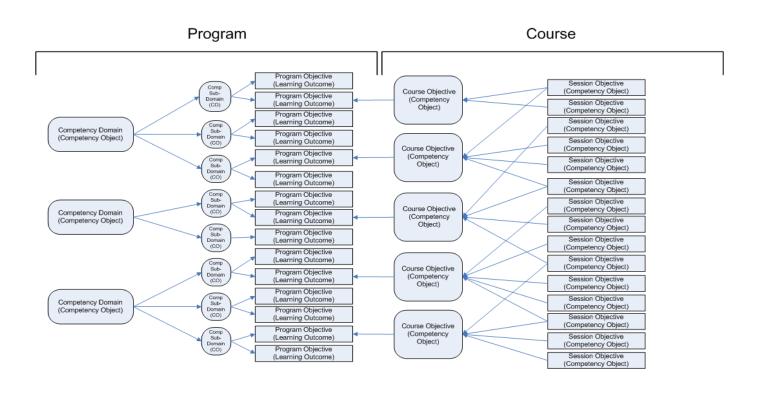
Demonstrate how to ask patients about their illness, their health care, and their relationships with physicians or other health care providers



Noise vs. Data



Noise vs. Data





Sample Report

Search of Objectives, Topics, & MESH Terms In Ilios Courses related to Healthcare Disparaties, Jan 2013

Foundati	ons of Patient Car	re Year 1	Level: 1			
Session:	Session: Clinical Skills Midterm Examination		Session Type: Exam - Institutionally Developed, Clinical Perf			
	Search Type	Search Term				
	Obj	socioeconomic				
	Objectives					
	Course Obj: Profession	alism				
		nonstrate sensitivity and responsiveness to patients' culture, race/ethnicity, age, catus, gender, sexual orientation, spirituality, disabilities, and other aspects of				
Session:	FPC Year 1 Final Examination: Mini-OSCE		Session Type: Exam - Institutionally Developed, Clinical Perf			
	Search Type	Search Term				
	Obj	socioeconomic				
	Objectives					
	Course Obj: Profession	alism				
	Session Obj: Demonstrate sensitivity and responsiveness to patients' culture, race/ethnicity, age, socioeconomic status, gender, sexual orientation, spirituality, disabilities, and other aspects of diversity					

What can we achieve?

- Evidence-based quality improvement
- Identification of gaps and redundancies
- Shared vocabulary in the health professions community
- Flexibility to adapt to new educational models

Questions