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- Sydney medical program
- Student selection
- Learning teaching
- Student support
- Learning environment
- QA

Introduction

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Title of the Training –

Making a difference; Student-centered Medical Education in Myanmar

Place of Training –

- *Sydney Medical University, Australia
- *RPA hospital (observing clinical skill training)
- *Charles Perkins Centre (Attending TBL sessions, small group learning sessions, X lab)
- *Royal North Shore Hospital (observation of OSCE, Clinical Skill training)

AAF 17 fellows

15 senior faculty members from 4 medical universities

Opening Ceremony





Host institutions

5

Sydney medical university is

number one in Australia and

- 17th Worldwide in Medicine category of the 2016 QS World University Ranking
- 35th in the clinical, preclinical and health category of the Times Higher Education World University Ranking 2016-2017.

Main Discussion Points in the training



- 1. Overview of the Sydney Medical Program including graduates outcomes, curriculum development and integrating basic and clinical sciences
- 2. Selection and admission
- 3. Curriculum development as a whole group project
- 4. Curriculum mapping, Curriculum Planning
- 5. Theory and practice of team based learning and getting experience by attending TBL sessions of Year 1 student

Main Discussion Points in the training



- 6. Online learning of basic science, teaching of basic science, writing of TBLs
- 7. Anatomy and histology pedagogy and practice
- 8. Clinical teaching at central clinical school, Procedural skill
- 9. Clinical studies and teaching
- 10. Observation and discussion at Sydney clinical skills and simulation centre
- 11. Principles of programmatic assessment
- 12. Assessment item banking, writing assessment item types
- 13. Design and implementation of OSCEs
- 14. e-learning design and platforms

Main Discussion Points in the training



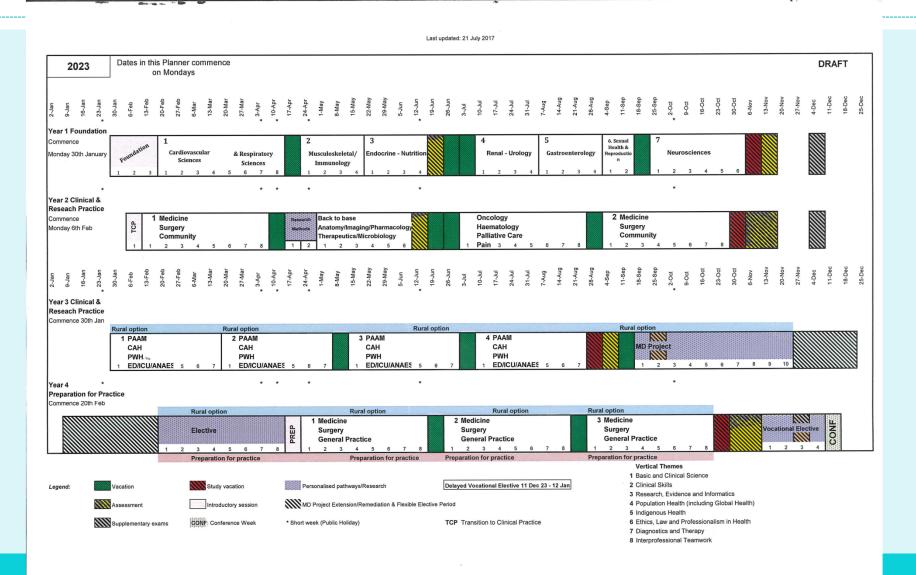
- 15. Ethics and professionalism within SMP, Role modeling in medical education
- 16. How to teach communication skills to students
- 17. Principles of learning portfolio
- 18. Student support, health and well being
- 19. Faculty development and administration staff development
- 20. Standards, accreditation and quality
- 21. Collaboration of research in medical education
- 22. IPE

Sydney Medical Program

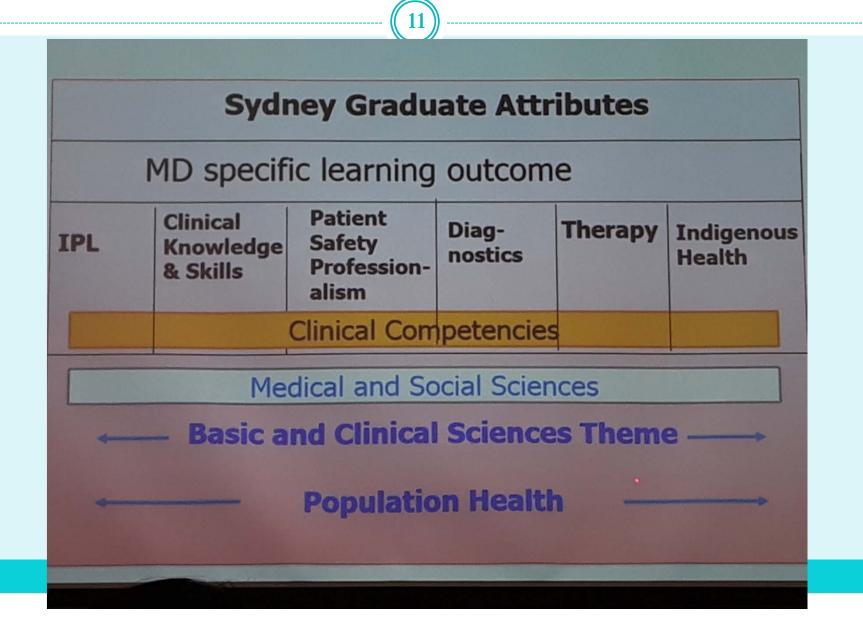


- Entry –postgraduate Course
 (Undergraduate degree biological science, arts and science, law, political science)
- Duration 4 years
- Degree MD
- 2 years in campus (stage 1 and 2)
- 2 years in clinical schools (stage 3)
- Internship after graduation

Planning for year 2023



Sydney Medical Education Program



Graduate outcomes



- **Basic and clinical sciences** provides the scientific foundation for medical studies (covering anatomy, physiology, pharmacology, histology, pathology)
- Patient and doctor —sessions cover clinical knowledge and skills, clinical reasoning, clinical communication and patient safety. (bedside teaching)
- **Population Medicine** includes the epidemiology and the delivery of health care, through the knowledge and understanding of different heath systems and the role of the doctor within them
- **Personal and professional development** covers aspects of personal development and professionalism, the law relevant to medical practice, ethics, medical humanities and patient safety. PPD transform a student to a healthcare professional with responsibilities to self, collegues and the patients

Early Clinical Exposure

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• from the beginning of year 1, spend 1 day each week in clinical schools.

• Learn how to take history from a patient and perform clinical examination.

Year 3 and 4 based in clinical schools.

Research training



- > gain formal training in year 1 encompassing
 - o the basic principles of health and medical research,
 - o research governance and ethics and
 - the basics of research methods in biomedical, clinical and public health.
- > Student have to conduct a research project as part of the course, gaining experience in
 - project organization and management,
 - o data analysis,
 - oral presentation skills and
 - scientific writing

Admission requirement



- Domestic and international applicants need to have a bachelor degree with a minimum credit average (6.5 or better)
- domestic applicant need to have competitive score in GAMSAT(Graduate Australian Medical School Admission Test) (50%)
- International applicants can submit GAMSET or MCAT (Medical College Admission Test) results
- Multimini-interview (situation judgment test) (50 %)

Entry



No of student 300 students

- * 220 domestic
- 70 international
- 10 reserved for outstanding students in matriculation
- Age of commencing 24 years

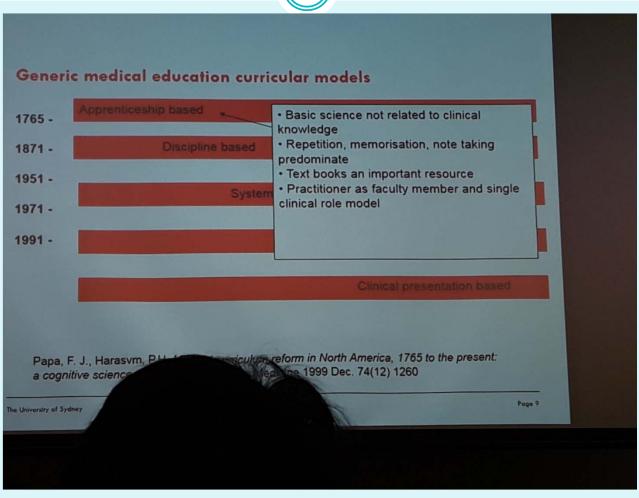
Learning/Teaching



- After 20 years experience with PBL
- now in the transitional period to change to TBL
- because former curriculum is not ready to do clinical works.
- Cases are written around 120 core clinical problems.
- Year 1 students are training with team based learning.
- Main learning teaching method use is small group learning with excellent, well equipped learning environment.

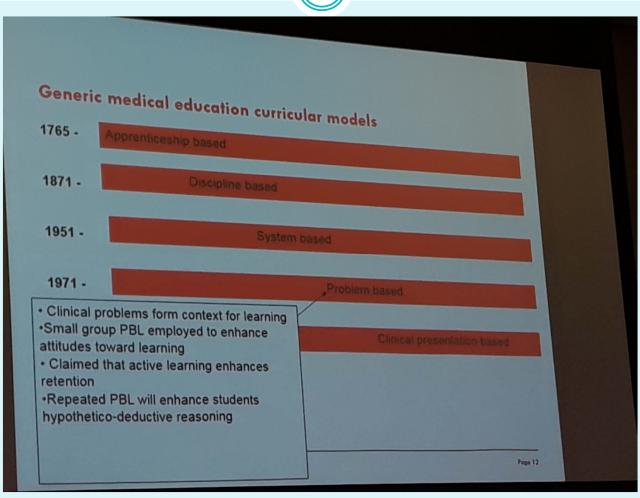
Changing trends





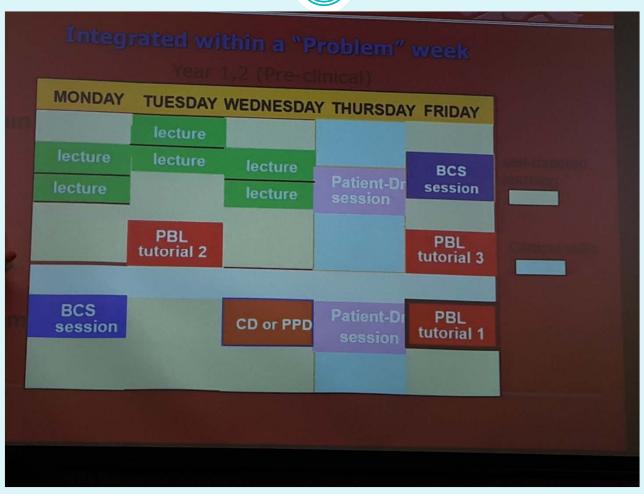
Changing trends 2





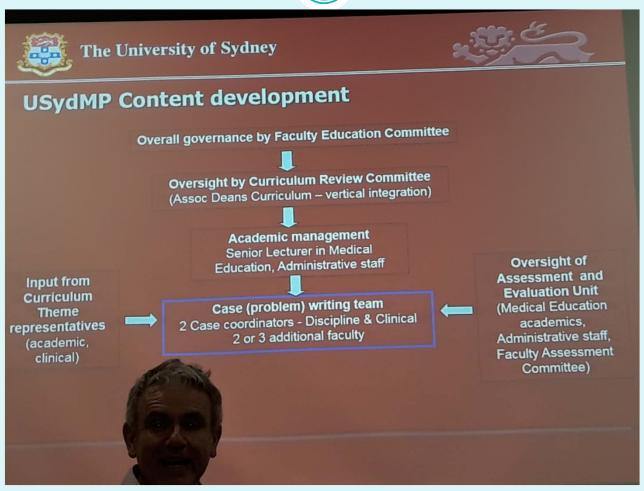
Integration PBL





Content development





Content control





Generic Timetable



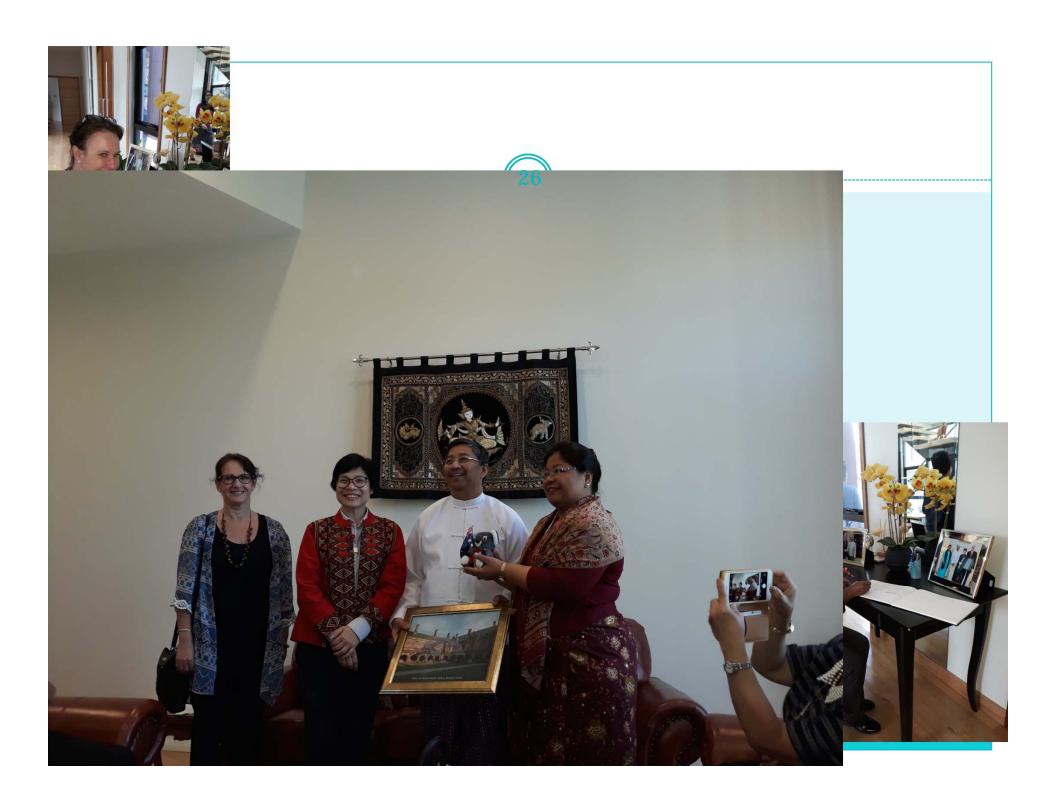
2018			STAGE 1 - GENERIC				I
_	MONDAY	TUESDAY	WEDNESDAY	THU	RSDAY	FRIDAY	
8:00 AM							8:00 A
8:15 AM							8:15 A
8:30 AM							8:30 AV
8:45 AM							8:45 A
9:00 AM							9:00 A
9:15 AM 9:30 AM		TBL - 6 rooms at once		RESC	HEDULE	LECTURE 7	9:15 AV 9:30 AV
9:30 AM							9:45 A
10:00 AM							10:00 A
10:15 AM							10:15 A
10:30 AM				LEC.	TURE 6	LECTURE 8	10:30 A
10:45 AM							10:45 A
11:00 AM							11:00 A
11:15 AM							11:15 A
11:30 AM		LECTURE 1		LEC.	TURE 6	LECTURE 9 / PPD Grand round	11:30 A
11:45 AM							11:45 A
12 00 PM							12:00 PI
12:15 PM						1	12:15 Pt
12:30 PM		Lunch				Lunch	12:30 Pt
12:45 PM				PRAC1-			12:45 Pt
1:00 PM	Strand A - Clinical Day		Strand B - Clinical Day	Class 1"			1:00 F9
1:15 PM			100000000000000000000000000000000000000		PRAC 2 - Class 3	Seminar	1:15 P1
1:30 PM		LECTURE 2					1:30 Pf
1:45 PM							1:45 P1
2:00 PM							2:00 Pf
2:15 PM		LECTURE 3					2:15 P1
2:30 PM		LECTORES					2:30 Pf
2:45 PM				PRAC 1 -			2:45 Pt
3:00 PM				Class 2	PRAC 2 -	Seminar	3:00 Pf
3:15 PM		LECTURE 4			Class 1		3:15 P1
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3:45 PM							3:45 P1
4:00 PM 4:15 PM							4:00 P1 4:15 P1
4:30 PM					PRAC 2 -		4:30 Pt
4:45 PM		Seminar		PRAC1-	Class 2		4:45 P1
5:00 PM				Class 3	0.033 2		5:00 P1
5:15 PM				Class 3			5:15 Pt
5:30 PM							5:30 Pt
5:45 PM							5:45 P1
6:00 PM							6:00 Pf
			* Anatomy Prae 2hr; CPC Prae 1.5h	only starting for	m 1nm	-	

^{*} Space for a THIRD prac in rotation provided there is no venue clash

^{*} Prac classes to rotate throughout year to be fairer with late finishes

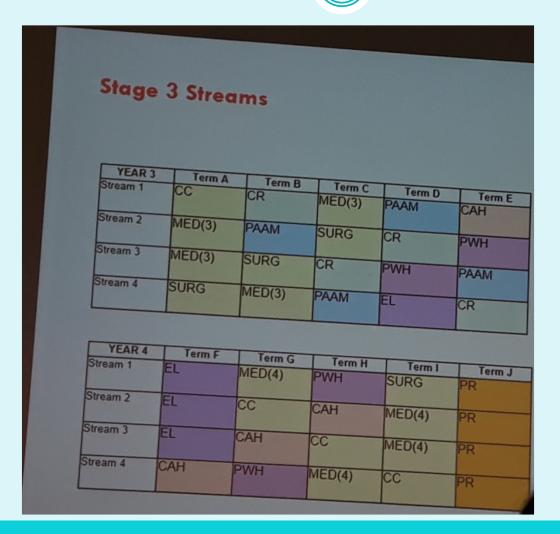






27)







12 tips for Programmatic Assessment from Van der Vleuten et al (2015)

- 1. Develop a masterplan for assessment
- 2. Develop examination regulations that promote feedback orientation
- 3. Adopt a robust system for collecting information
- 4. Assure that every low-stakes assessment provides meaningful feedback for learning
- 5. Provide mentoring to learners
- 6. Ensure trustworthy decision-making
- 7. Organise intermediate decision-making assessments
- 8. Encourage and facilitate personalised remediation
- 9. Monitor and evaluate the learning effect of the programme and adapt
- 10. Use the assessment process information for curriculum evaluation
- 11. Promote continuous interaction between the stakeholders
- 12. Develop a strategy for implementation with faculty development

The University of Sydney

Year 3 Barrier Score

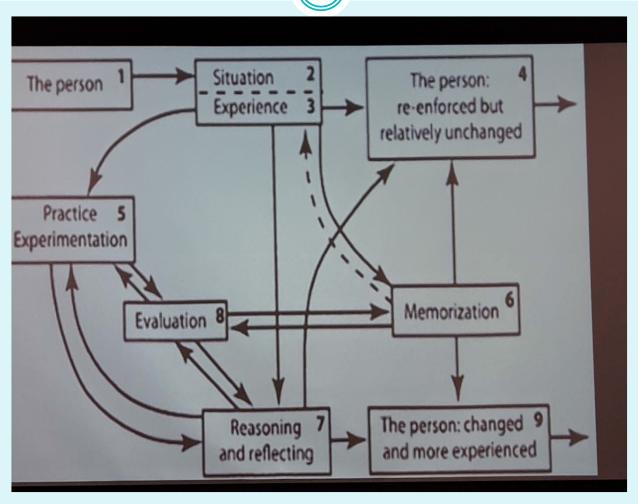
- The Year 3 Barrier Score determines progression to Year 4
- Students sit 4 assessment modules with a total of 270 SBA questions
 - 75 questions for Medicine 3
 - 75 questions for your Core Block completed in Year 3
 - 60 questions for your Term B/C Specialty Block
 - 60 questions for your Term D Specialty Block
- The Total Barrier Score is calculated so that the core blocks represent 75% and specialty blocks 25% if modules are completed.

Exam Module	RAW SCORE	SCALE SCORE	% Weighting
Medicine 3	75	150	37.5%
Other Core	75	150	37.5%
Specialty 1	60	50	12.5%
Specialty 2	60	50	12.5%
TOTAL	270	400	100.0%

Programmatic assessment

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		//

example of progra	ımmatic assessment in o	a specialt	y block	
Summative Assessment Task	Task Requirements	Rubric - maximum possible mark	% of final in- term mark	
Making Decisions in General Practice (MDGP) task	A TBL activity at the start of the term and an evidence-based report concerning a patient seen during the term submitted into Turnitin through Blackboard mid-term.	50	15	
2. Assessing the Health of a Community (AHC)	Complete a population health profile for a community of your choice. Present your community profile at a workshop & participate in discussion panel	30	15	
3. Supervisors assessment (Placement One)	GP Supervisor assessments 1 - Long case assessment - Global assessment	24 12	10 (5) (5)	
4. Supervisors assessment (Placement Two)	GP Supervisor assessments - Short cases (x 2) - Global assessment	48 12	10 (2.5 + 2.5) (5)	
. PCAP clinical case presentation	Presentation of a clinical topic to a workshop & writing 2 multiple choice questions	40 (36 main assignment + 4 MCQ)	15	
6. Written assessment: Part 1 & 2	SBA – 45 item written test CJT – 12 item on-line test	45 192	20 15	
			100	Page 15



Charls Perkson Learning Centre









Dry Teaching 1.1

Monday October 30 2017

Booking #	Client / UOS	Day	Times	Dates	Frequency	Canacitu	
1349963	CPAT4011	MON	12:00 - 13:00	23 Oct 17 - 30 Oct 17	Weekly		Seminar

Tuesday October 31 2017

Booking #	Client / UOS	Day	Times	Dates	Frequency	Capacity	Purpose
1240483	NTDT5307	TUE	09:00 - 12:00	31 Oct 17 - 31 Oct 17	Once Only	60	Lecture

Wednesday November 1 2017

ı	Booking #	Client / UOS	Day	Times	Dates	Frequency	Capacity	Purpose
ı	1291585	NTDT5307	WED	09:00 - 12:00	25 Oct 17 - 1 Nov 17	Weekly	60	Lecture
	1240491	NTDT5307	WED	13:00 - 16:00	4 Oct 17 - 1 Nov 17	Weekly	60	Practical

Thursday November 2 2017

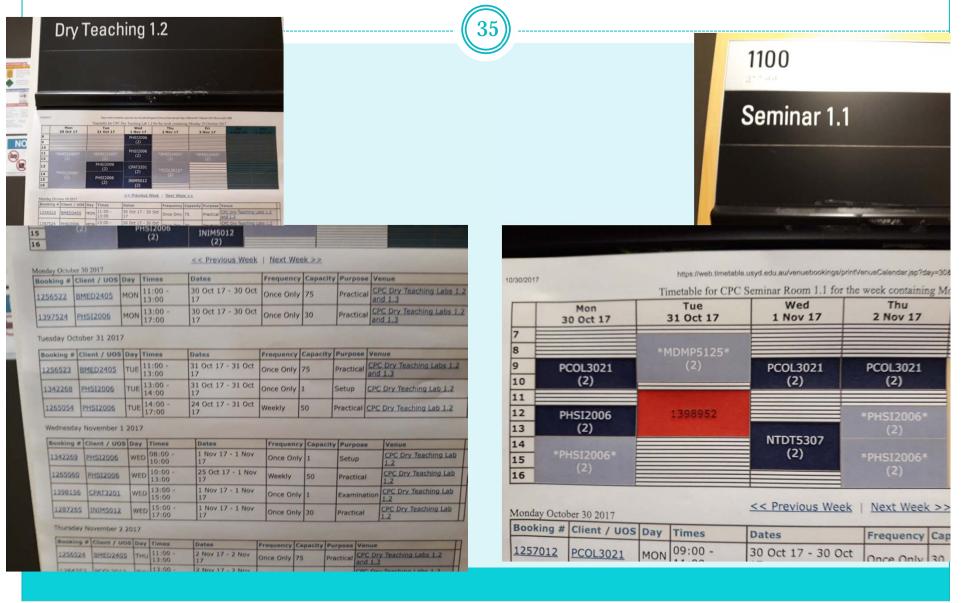
Boo	king #	Client / UOS	Day	Times	Dates	Frequency	Capacity	Purpose	
					2 Nov 17 - 2 Nov 17	Once Only	10	Seminar	

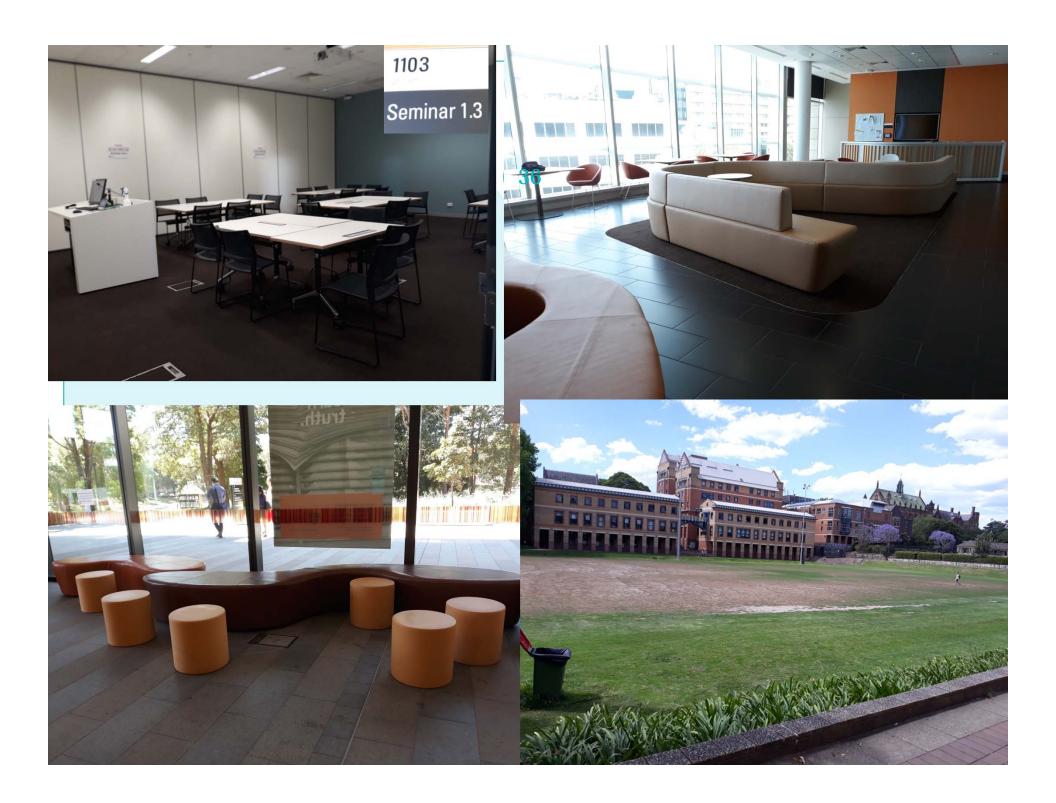
Friday November 3 2017

Booking #	Client / UOS	Day	Times	Dates	Frequency	Capacity	Purpose
	CPAT4011	EDI	08:00 - 13:00	3 Nov 17 - 3 Nov 17	Once Only	10	Seminar
ALTERN	CDATAGOG	EDI	13:00 - 14:30	3 Nov 17 - 3 Nov 17	Once Only	50	Tutorial
ARCHER	CPAT3202	FRI	13:00 - 14:30	4 Aug 17 - 3 Nov 17	Weekly	50	Tutorial
1230330	<u>CPAT3202</u>	FRI	14:30 - 16:00	4 Aug 17 - 3 NOV 17	Weekly	-	Tutorial
1230331	CPAT3202	FRI	16:00 - 17:30	4 Aug 17 - 3 Nov 17	weekiy	30	Tuccinen



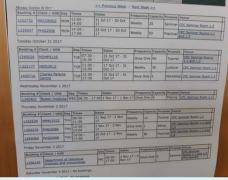
Dry Teaching (Answering MCQ)

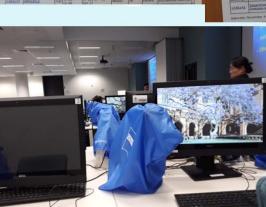








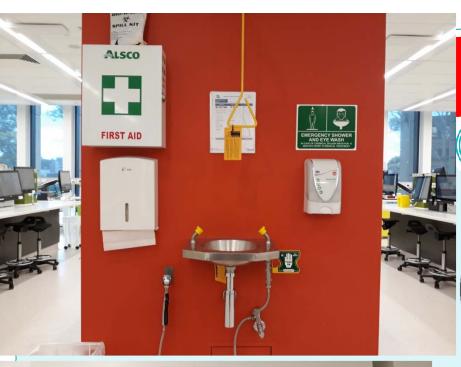












Safety

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Safety Comes First!

Students and Staff Must Wear

Enclosed Shoes Lab Coat Safety Glasses

Every Class – Every Time Always!









Differences in PBL & TBL **PBL TBL** 1 x facilitator 1 x facilitator 10 students 20-100 students No inter-team interaction Inter-team interaction Lots of small rooms One large room Different individual Same individual preparation preparation No test Pre-test Groups of 10 students Groups of 5 students Variable feedback Immediate feedback

TBL









Five Key Steps - TBL

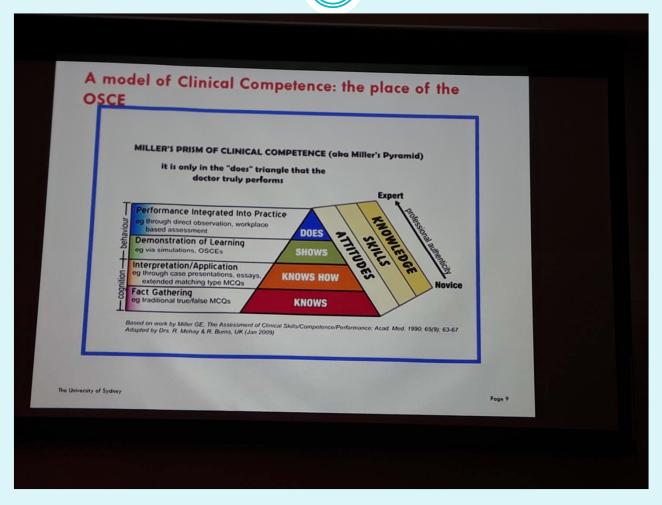
- 1. Group Allocation
- 2. Pre-class preparation
- 3. Readiness assurance tests
- 4. Immediate feedback
- 5. Problem solving activities

Year 1 OSCE





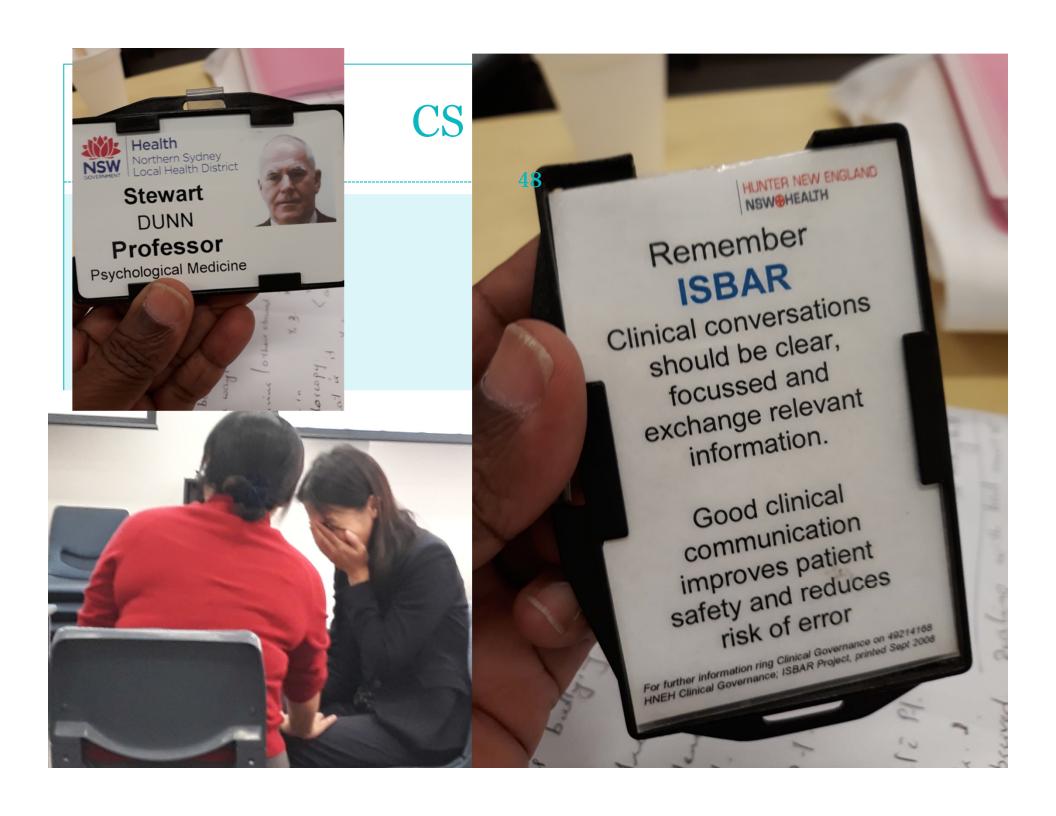


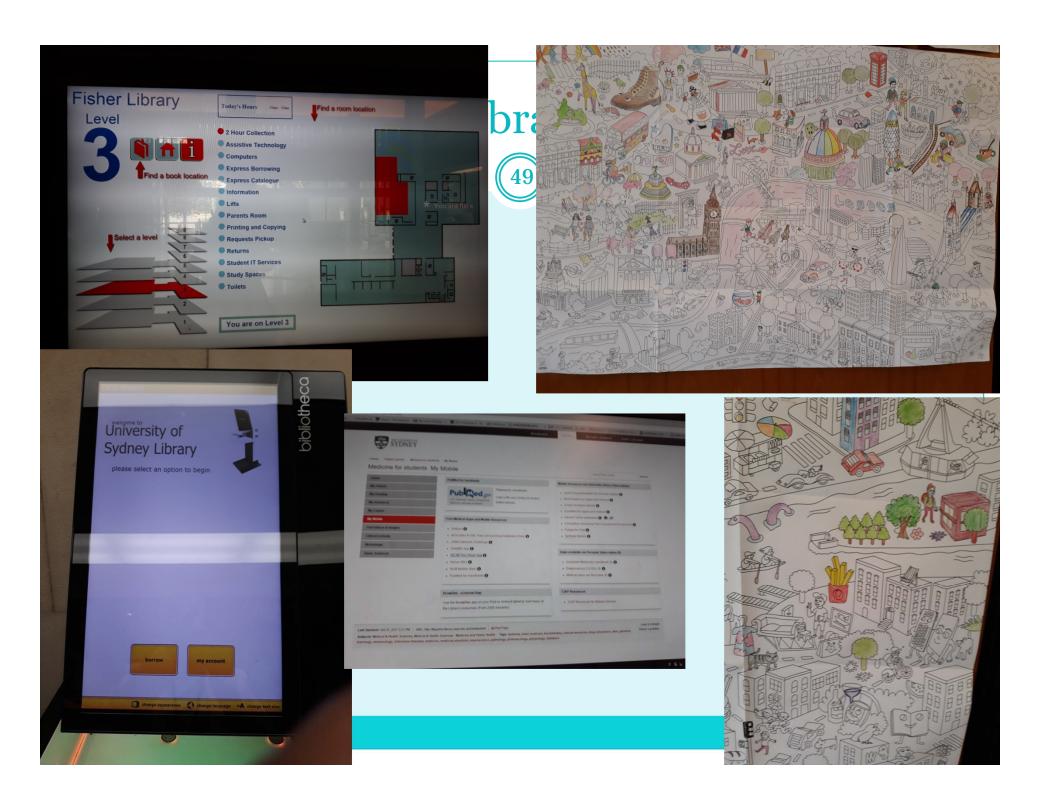


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Blueprinting: adding complexity

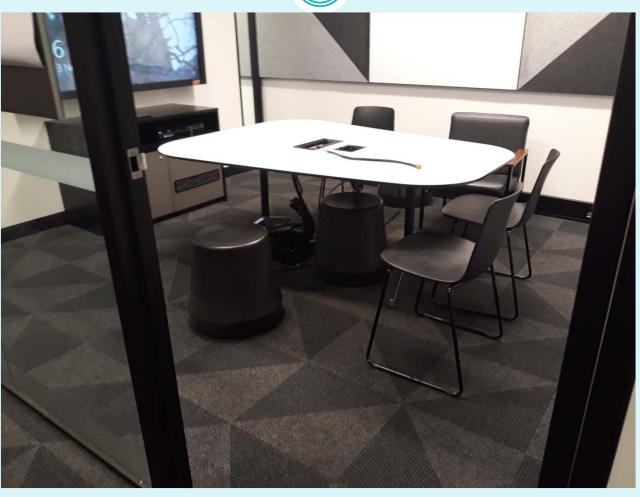
	Cardiovascular	Respiratory	Gastrointestinal /Nutrition	Haematology/ Immunology
Consent & Procedure	×	•		
History with anxious patient		X		
Physical Examination & reporting			X	
Data Interpretation & diagnosis				X





Learning room

50)













1:51.4

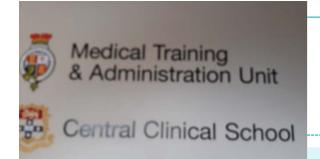














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				(
	139	GROUP 3					
	7	Ei Phyu	Lwin	University of Medicine 1 Y			
	8	Thida	Tun	University of Medicine 1			
	9	Win	Nain	g University Medicine			



Anatomy Game



Q6. Which of the structures below are NOT contained within the superior mediastinum?

A. Brachiocephalic veins

B. Arch of aorta

C. Branches of aortic arch

D. Trachea

E. Bronchi

Q4. What is the sensory nerve supply to the parietal pleura at this location?

A. Intercostal nerves

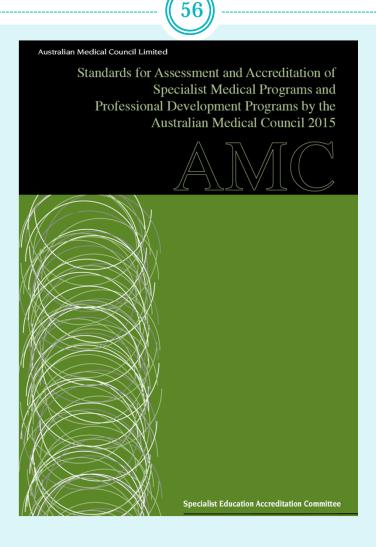
B. Phrenic nerve

C. Vagus nerve

D. Sympathetic trunk

OThe University of Sydney

Quality Assurance and accreditation



Quality standards and accreditation



- Why dealing with human life
- What AMC standards
- Process
 - 1. medical school has to do a report showing they're meeting the standards
 - 2. Accreditating committee come, look, make interviews
 - 3. decision

Who involve in Accreditation committee?



AMC ask to norminate deans to involve in Acc team

Chair – dean of another U

Vice chair – dean of another U

Members — mix up of people who have enough knowledge in ME from

- **×**clinical science
- **×**Basic science
- **×**Dean
- **×**Leaders of ME
- **X** Assessment expert

What to see?



- 1. The context of medical program
- 2. The outcomes of the medical curriculum
- 3. Learning teaching methods (good for student/ promote patient centered care)
- 4. Assessment of student learning (assessment throughout the program
- 5. Implementation of curriculum (student, environment)
- 6. Curriculum monitoring and evaluation
- 7. Student No, policy for disability, representation
- 8. Learning environment library, IT, room, facilities, hospitals, lockers, places

e-learning



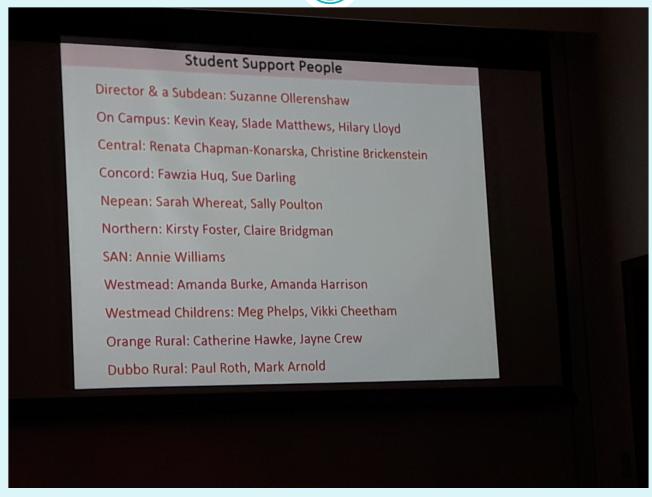
• Learning management system is used

Blackboard

Each student has own password and access U website

Student support





Reducing stress









