



PM-6522 : Integrating Constructivism and Meaningful Learning in Student-Centred Primary Mathematics Classrooms

31 March – 25 April 2008 (4 Weeks)

Course Supervisor : Mr. Teoh Boon Tat

Week 1	Mon : 31 March 2008	Tues : 1 April 2008	Wed : 2 April 2008	Thurs : 3 April 2008	Fri : 4 April 2008	Sat : 5 April 2008
0830-1030	Opening Ceremony SH AZA/VAR	Constructivism: theory, practice and research ML2 ML	Learning Theories ML2 ML	Meaningful Learning in Mathematics ML2 IDA	(0800 – 1000) Conceptions and Misconceptions in Mathematics ML2 IDA	Cultural & historical discoveries in the Inner City of George Town and Round Island Trip (optional) VAR
1100-1300	Admin Briefing & LRC Tour SH/LRC AR/RO/ZAT/VAR	Planning Instructional Materials (1) ML1 TBT	Multiplier Effects TR/ML1 CUH/TBT	Learning Difficulties in Mathematics ML2 IDA	(1030 – 1215) Holistic Assessment (1) ML2 MG/FS	
1430-1630	Pre-test & Course Briefing ML2 TBT	Basic / Intermediate ICT (1) ICT1/2 CAN/KAK	Basic / Intermediate ICT (2) ICT1/2 CAN/KAK	Basic / Intermediate ICT (3) ICT1/2 CAN/KAK	(1445 – 1645) Basic / Intermediate ICT (4) ICT1/2 CAN/KAK	
Week 2	Mon : 7 April 2008	Tues : 8 April 2008	Wed : 9 April 2008	Thurs : 10 April 2008	Fri : 11 April 2008	Sat : 12 April 2008
0830-1030	Communication & Values : Manipulatives (1) ML2 IDA	Investigation & Exploration : Hand-Held Technology (1) ML2 TBT	Web Quest (1) ML1 CAN	Communication & Values : Cooperative Learning (1) ML2 TBT	(0800 – 1000) Investigation & Exploration : Dynamic Geometry Software (1) ML1 WAP/TBT	Educational & sightseeing tour of Kuala Lumpur and Putrajaya (Optional, participants' programme) VAR
1100-1300	Communication & Values : Manipulatives (2) ML2 IDA	Investigation & Exploration : Hand-Held Technology (2) ML2 TBT	Web Quest (2) ML1 CAN	Communication & Values : Cooperative Learning (2) ML2 TBT	(1030 – 1215) Investigation & Exploration : Dynamic Geometry Software (2) ML1 TBT/WAP	
1430-1630	Holistic Assessment (2) ML2 MG/SF	Holistic Assessment (3) ML2 MG/SF	Lesson Study (1) SL2 DRP	Designing Instructional Materials (2) ML2 TBT	(1445 – 1645) Lesson Study (2) SL2 CUH	
Week 3	Mon : 14 April 2008	Tues : 15 April 2008	Wed : 16 April 2008	Thurs : 17 April 2008	Fri : 18 April 2008	Sat : 19 April 2008
WORKSHOP ON PROBLEM-BASED LEARNING by Dr Ann Lambros						
0830-1030	Overview & 'Looking for PBL' SL2 ANN	Case Writing & Case Dev SL2 ANN	Facilitation Practice SL2 ANN	Developing Instructional Materials (3) ML1/2 TBT	(0800 – 1000) Peer Tryout (1) ML1/2 TBT	Free and easy, have a weekend of your own. Preparing project report.
1100-1300	PBL: What and Why SL2 ANN	Preparing Case Introduction SL2 ANN	Creating PBL Assessment SL2 ANN	Developing Instructional Materials (4) ML1/2 TBT	(1030 – 1215) Peer Tryout (2) ML1/2 TBT	
1430-1630	Facilitation 'Abbey Grange' (Introduction) SL2 ANN	Case Introduction SL2 ANN	PBL Lesson Planning SL2 ANN	Developing Instructional Materials (5) ML1/2 TBT	(1445 – 1645) Developing Instructional Materials (6) ML1/2 TBT	
2000-2200	Project Work	Project Work	Project Work	Project Work	Project Work	
Week 4	Mon : 21 April 2008	Tues : 22 April 2008	Wed : 23 April 2008	Thurs : 24 April 2008	Fri : 25 April 2008	Sat : 26 April 2008
0830-1030	Student Tryout (1) ML1/2 TBT	Project Work / Library (2) ML1/LRC TBT	Project Work (4) ML1/2 TBT	Maths Trail (1) (Nature Education) PH LSM/TBT	(0800-1000) Presentation of Project Work ML2 TBT	Bye-bye, till we meet again. Have a safe journey home. ☺
1100-1300	Student Tryout (2) ML1/2 TBT	Lesson Study (3) SL2 CUH/DRP	Project Work (5) ML1/2 TBT	Maths Trail (2) (Nature Education) PH LSMTBT	(1030-1215) Post-test & Course Evaluation ML2 TBT/WAP	
1430-1630	Project Work / Library (1) ML1/LRC TBT	Project Work / Library (3) ML1/LRC TBT	Project Work (6) ML1/2 TBT	Project Work / Library (7) ML1/2 TBT	(1445 – 1645) Closing Ceremony SH AZA/VAR	

Staff / Personnel Involved			Staff / Personnel Involved		
AZA	Dr. Azian T.S. Abdullah	Centre Director	ANN	Dr. Ann Lambros	Consultant, USA
AR	Hj. Ahmad B. Ramlil	HoD, Administration Division	MG	Assoc. Prof. Dr. Munirah Ghazali	Consultant, USM
FLK	Ms. Foo Lay Kuan	HoD, Training Programme Division	FS	Assoc. Prof. Dr. Fatimah Salleh	Consultant, USM
CUH	Dr. Cheah Ui Hock	HoD, Research & Development Division	IDA	Dr. Ida Karnasih	Consultant, Indonesia
DRP	Mr. Devadason Robert Peter	Senior Specialist, Research & Development Division	ML	Dr. Michael Liau Tet Loke	Consultant, Penang
TBT	Mr. Teoh Boon Tat	Specialist, Training Programme Division	LSM	Mr. Lee Shok Mee	Specialist, Training Programme Division
CAN	Mr. Chockalingam Annamalai	Specialist, Training Programme Division	Venues		
WAP	Dr. Warabhorn Preechaporn	Specialist, Research & Development Division	SH	SEAMEO Hall	ML1 Mathematics Lab 1
KAK	Mr. Khaw Ahr Kar Nyunt	Specialist, Research & Development Division	LRC	Learning Resource Center	ML2 Mathematics Lab 2
RO	Ms. Rashidah Bt. Hj. Othman	Accountant	ICT1/2	ICT Lab 1 & 2	SL2 Science Lab 2
ZAT	Hj. Zamani Tajudin B. Yusof Tajudin	Librarian	PH	Penang Hill	TR Thailand Room