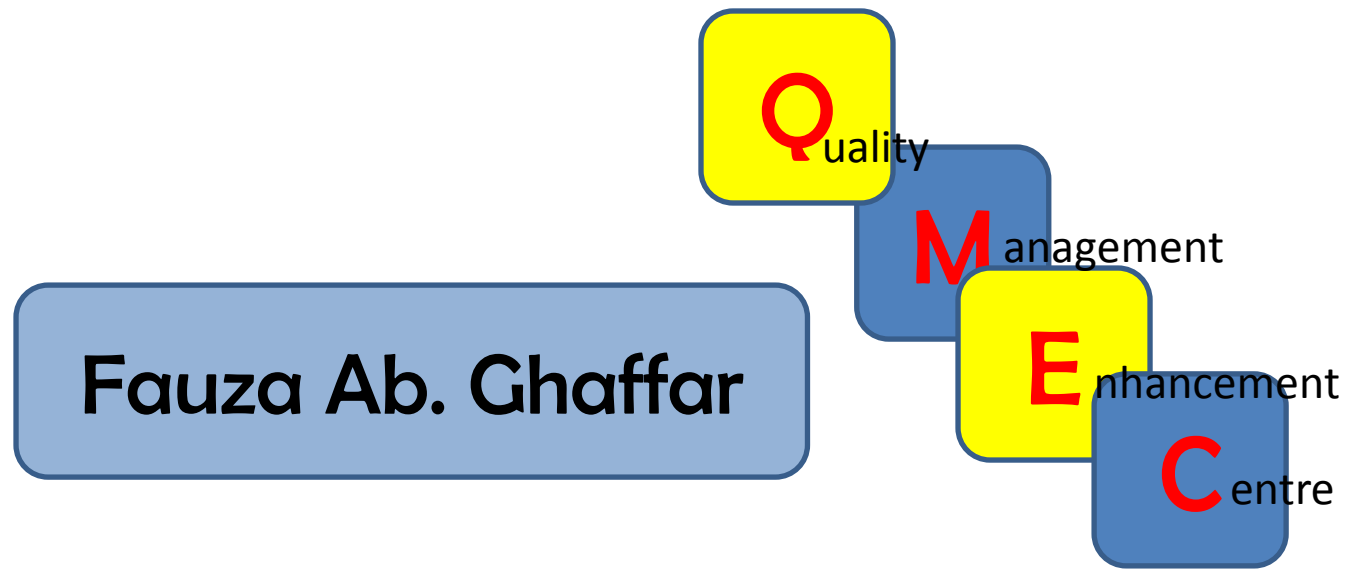


Curriculum Review- What, Why & How?



Briefing on Curriculum Review

Faculty of Computer Science & Information Technology

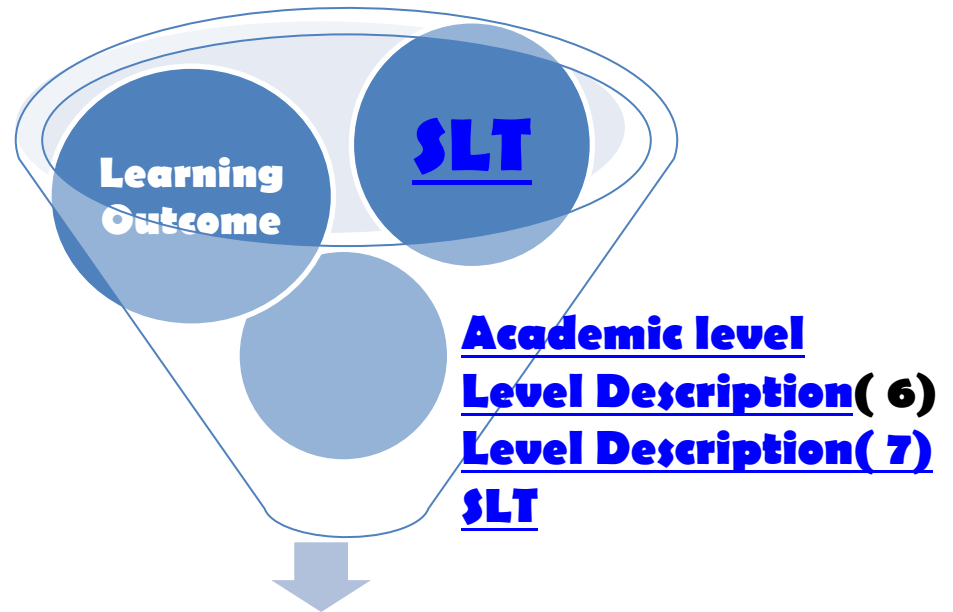
Dewan Kuliah 2

15 January 2014

Background

- UM's last Curriculum Review Exercise :
 - 2008/2009 for Undergraduate Programmes
 - 2009/2010 for Postgraduate Programmes
- The reviewed programmes are **MQF compliant** & implemented starting the session of **2010/2011 for UG & 2011/2012 for PG**
- This involves a number of 111 UG programmes & 129 PG programmes

MQF Compliant
Programmes



CLO Outcome-based EducationMQF



Learning Outcomes

- **Statements of Expectation of what students & graduate should know, understand & can do after a period of study.**
- **In curriculum design, learning outcomes are references for standard and quality and are critical basis for determination of credits, delivery as well as assessment techniques.**
- **Learning Outcomes can be formulated at various levels: in UM LOs are officially formulated at the:**
 - **Institutional Level (Educational Goals)**
 - **Programme Level (Programme Outcomes)**
 - **Course Level (course Outcome)**

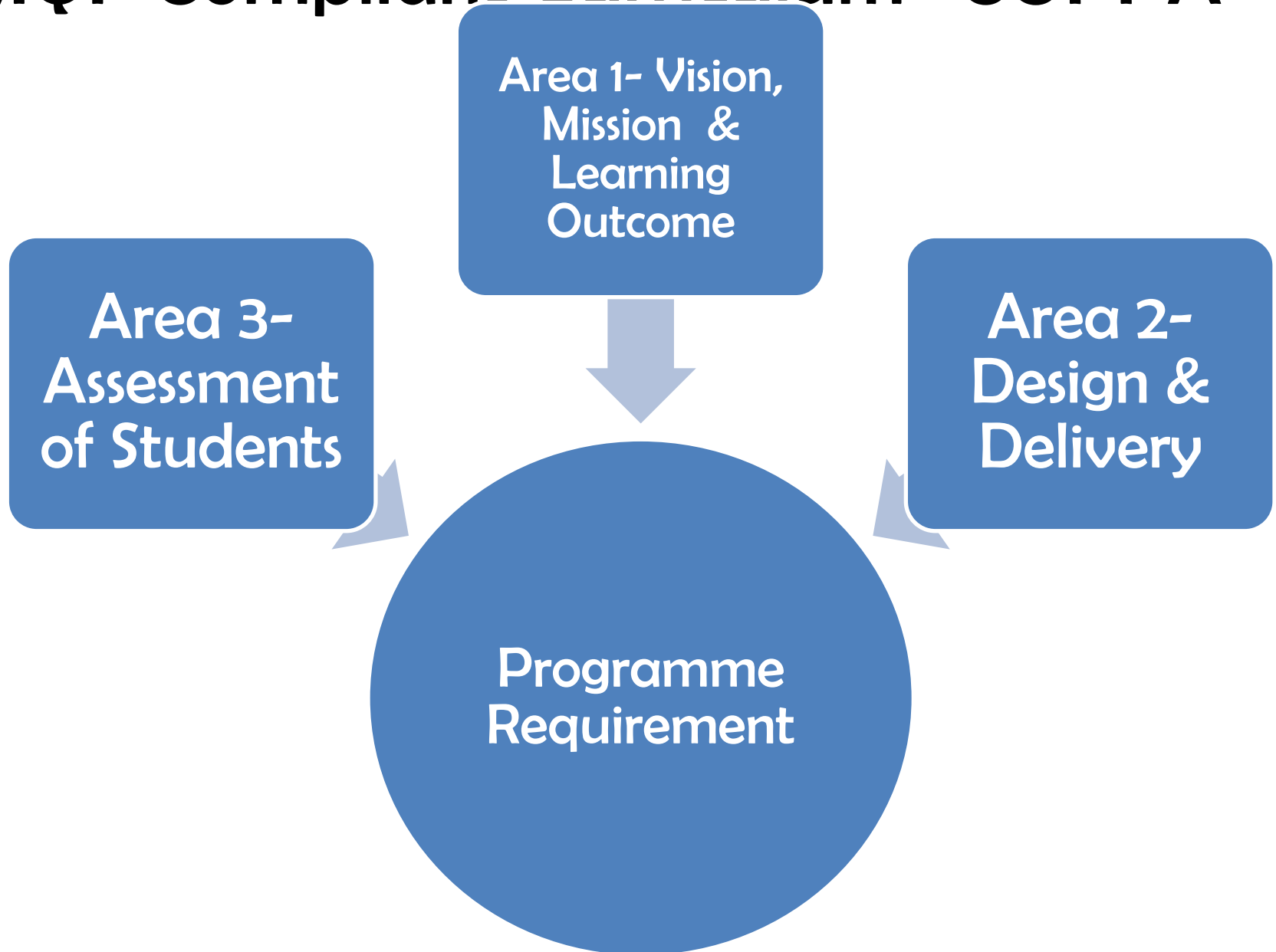
OBE

“An educational process which is based on trying to achieve certain **specified outcomes** in terms of individual student learning. Thus, having decided what are the key things students should understand and be able to do or the qualities they should **develop, both structures and curricula** are designed to achieve those capabilities or qualities. Educational structures and curriculum are regarded as means not ends. If they do not do the job they are rethought”.

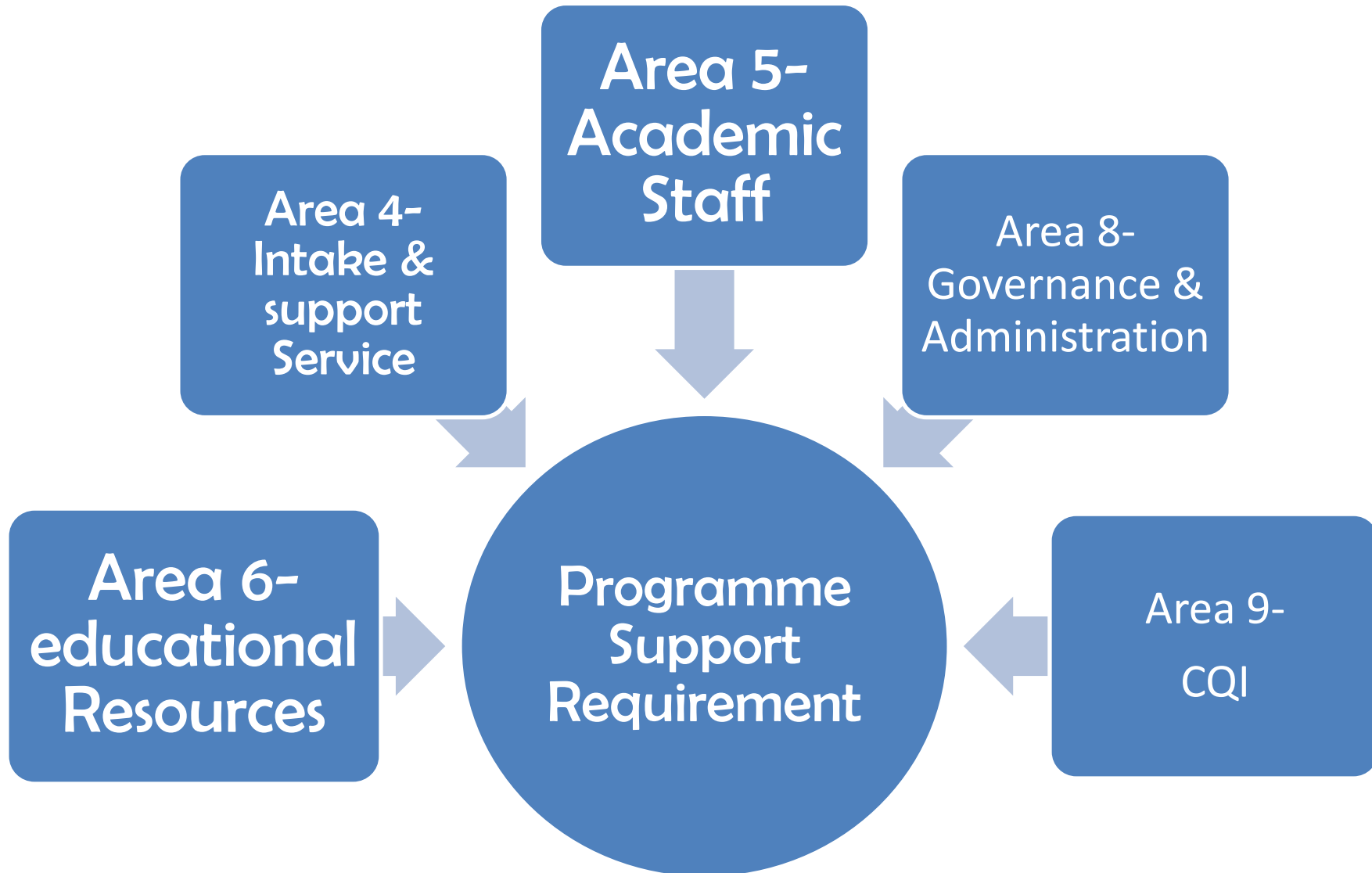
Focuses on student learning by:

- Using **learning outcome** statements to make explicit what the student is expected to be able to know, understand or do;
- **Providing learning activities** which will help the student to reach these outcomes;
- **Assessing** the extent to which the student meets these outcomes through the use of explicit assessment criteria.

MQF Compliant Curriculum- COPPA



MQF Compliant Curriculum



Related Requirements

- Professional Bodies requirements
- Programme Standards
 - Computing
 - Information Science
 - Creative Multimedia
 - ★ Standard for Library Science & Information is being declared null & void.
- Other Requirements eg MPTN, UM etc

UG & PG Programmes @ FSKTM

Sarjana Muda Sains Komputer (Kepintaran Buatan)	7
Sarjana Muda Sains Komputer (Sistem & Pengurusan Maklumat)	7
Sarjana Muda Sains Komputer (Kejuruteraan Perisian)	7
Sarjana Muda Sains Komputer (Sistem & Rangkaian Komputer)	7
Sarjana Muda Teknologi Maklumat (Pengurusan)	7
Sarjana Muda Teknologi Maklumat (Multimedia)	7

Borang 9: 66.3%

Master of Computer Science (DS)	
Master of Library and Information Science (DS)	2

Borang 10: 100%

Review Process

- A formal assessment or restudy of () with the possibility or intention of instituting change if necessary.
- Assessment

Assessment is an on going systematic process aimed at understanding and improving

-based on making our expectations (educational goals, programme goals & outcomes); setting appropriate criteria systematically gathering, analyzing, and interpreting evidence to determine how well performance matches those expectations and standards; and using the resulting information to document, explain, and improve performance.

MQF/ COPPA Requirements

7.1

Analysis of student Performance & Progression in relation to the curriculum & learning outcomes of the programmes

There must be a programme evaluation, done periodically, using proper mechanisms & resources, including benchmark data, T&L methods, administration & related educational resources as well as feedback from principal stakeholders

There must be a programme review committee headed by a designated coordinator

The departments self-review should be able to identify the areas of concerns & demonstrate ways to improve the programme

7.2

Programme Evaluation must involve the relevant stakeholders

Stakeholder feedback particularly that of the alumni & employers should be incorporated into a programme review exercise

For a professional Programme the department should engage the relevant professional body

UM's Commitment

- Teaching & Learning Policy

7.2.1 (b)

Untuk memastikan program yang ditawarkan sentiasa relevan dengan keperluan negara dan mengikuti perkembangan terkini dan se masa, UM mewajibkan penyemakan semula kurikulum & penilaian semula program secara berkala mengikut tempoh yang ditetapkan.

7.2.5 ©

UM memastikan....Semua program akan disemak mengikut kitaran program tersebut dan akan dinilai semula dalam tempoh tidak lebih dari **3 tahun bagi ijazah tinggi** & 5 tahun bagi ijazah pertama.

[Pindaan Senat 28.3.2013](#)

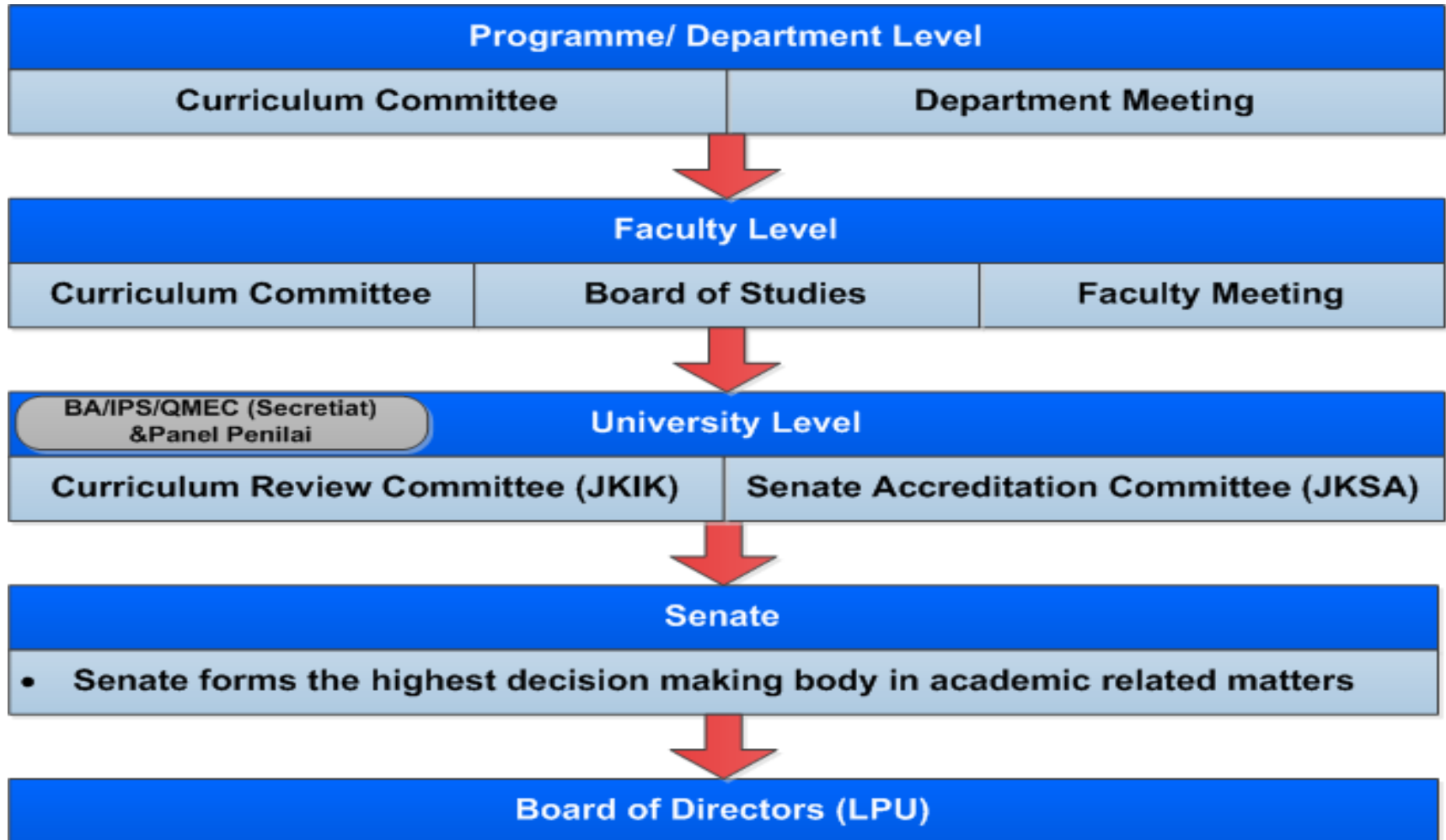
Approach/ Planning of Curriculum Review

- **Current reviewed Programme- to be implemented in ?.**
- **Thus must be planned because there are various stages and approval level.**
- **Curriculum Review Committee**

Curriculum Review Committee

- **Collect data/information**
- **Evaluation**
- **Benchmarking**
- **Review**
- **Approval**

Levels of Approval



UM's Wish.....

- That a Curriculum Review (in the true sense!) is carried out!.
- Programme Owners should be forward looking...in light of future scenario- the outcome of rationalisation & restructuring.
- The review be conceptualised & implemented in a wider context:

Starting Point: Macro Analysis/Review

**Viability/Demand
(Trend of Intake)**

**Marketability
(Tracer Study)**

Programme

Overlapping/Similarity

Complementarity

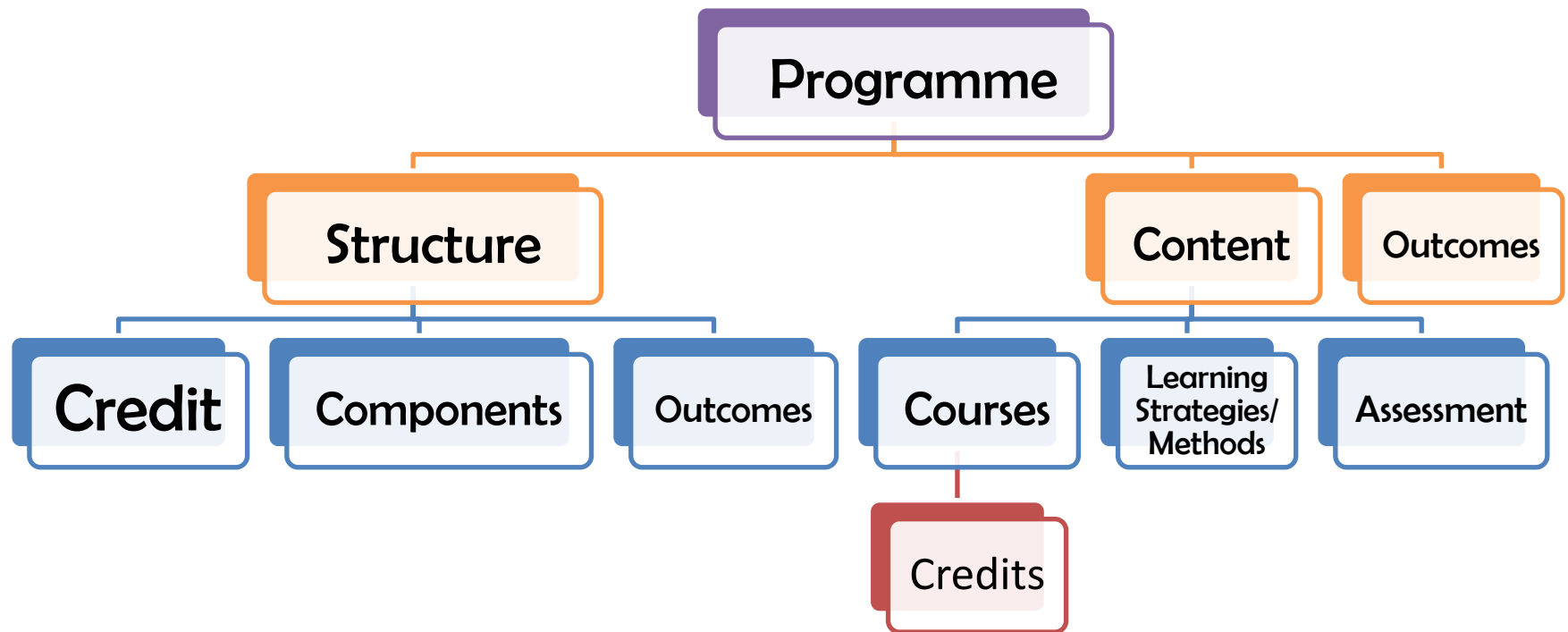
Considerations

- Should the programme remain?
- Should it stop?
- Should it be merged?

Should there be
faculty courses.

Curriculum Committee: Analysis/Review

2.4.1: Programme Committee responsible for the plan ,implementation, evaluation & improvement of programmes.



Programme Structure

- MPTN

University Courses: 15-20%

Faculty Core Courses: 65-80%

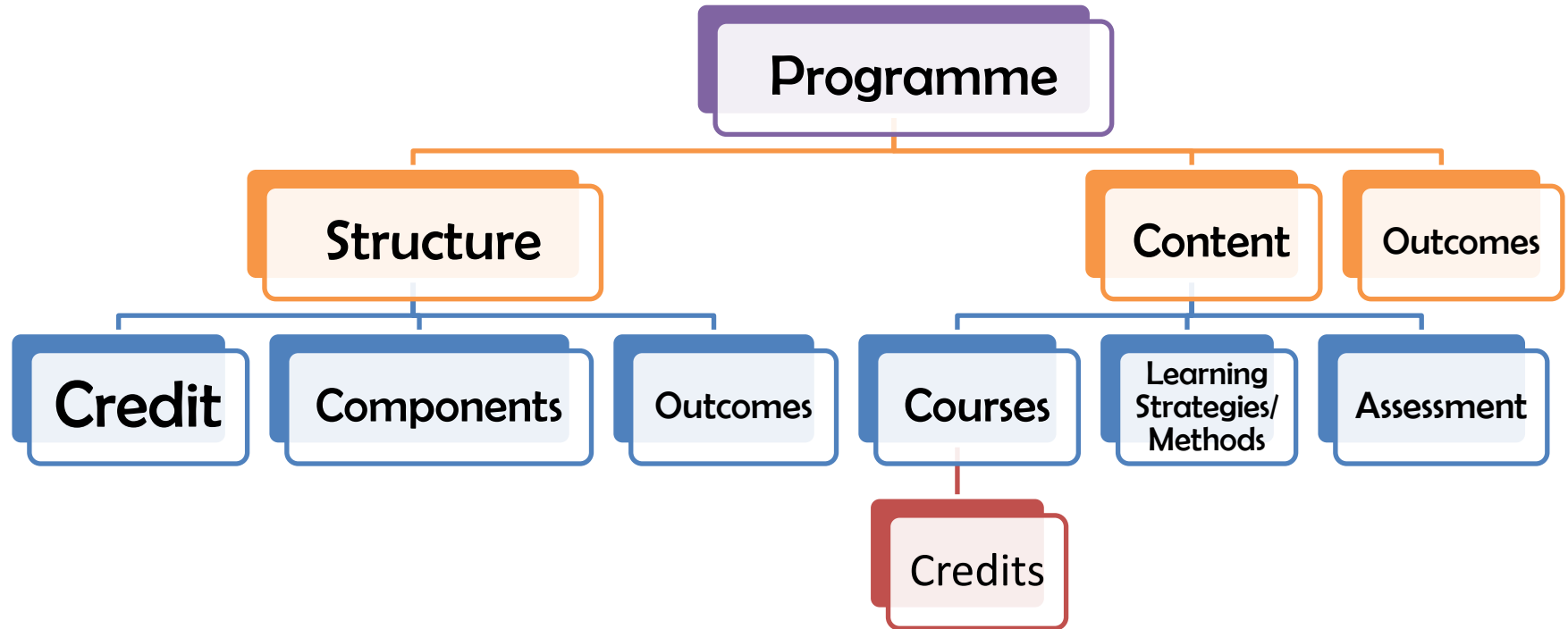
Faculty Elective Courses: 25-30%

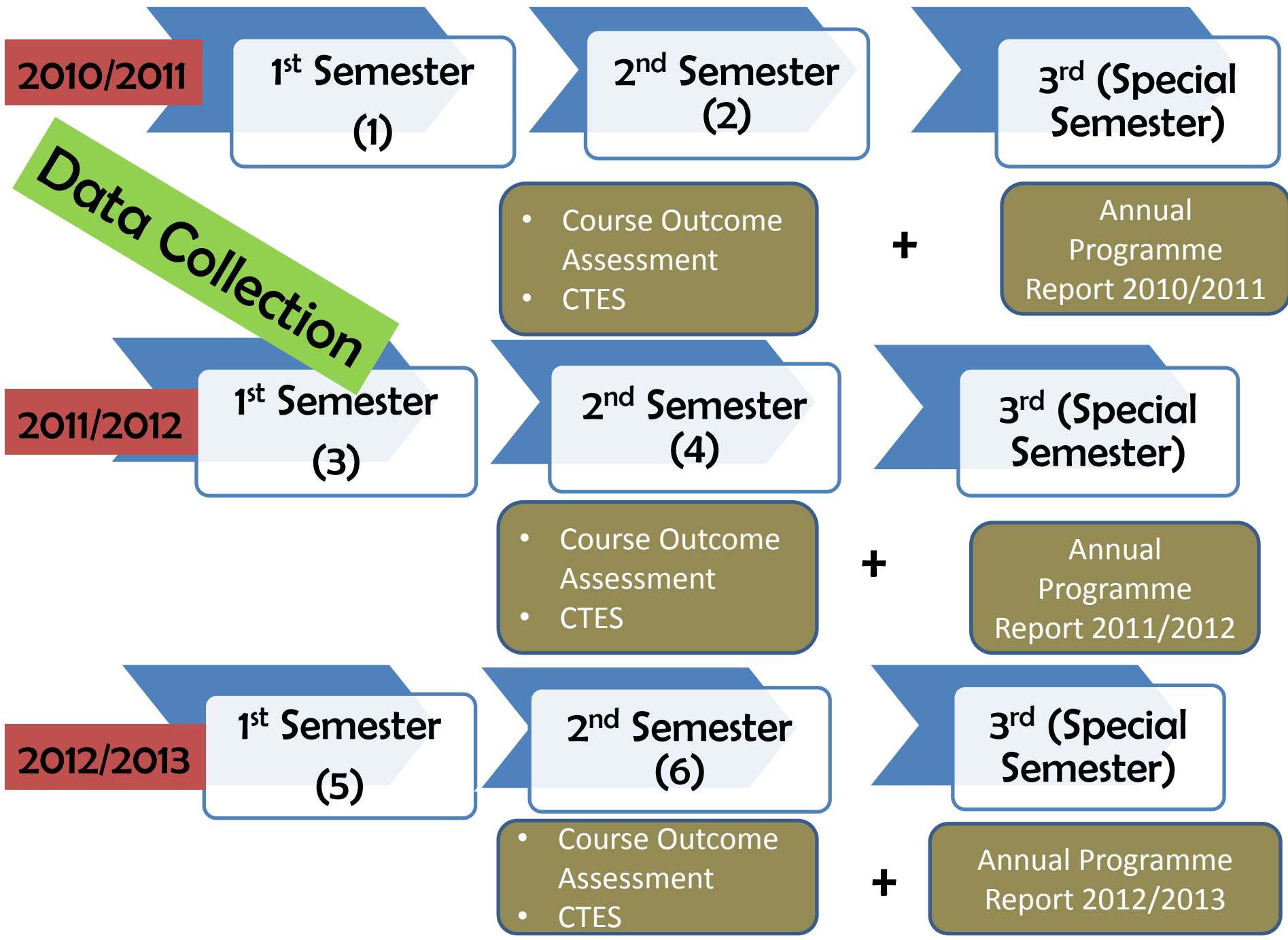
* UM sticking to this BUT...with slight
ammendment.

University Courses

- University Courses- Currently ALL programmes achieved only 15%.
- In View of the requirements for liberal education & a holistic student development, UM is currently reviewing the structure & content of the UC
- ALL programmes to meet minimum 24 credit but not more than 20%
 - No top up with faculty core courses

Curriculum Committee: Analysis/Review





2013/2014

**1st Semester
(7)**

**2nd
Semester**

**3rd (Special
Semester)**

- Course Outcome Assessment
- CTES

+

- Annual Programme Report 2013/2014
- Programme Outcome Assessment Report

Summary

- 7 Course Learning Outcome Assessments
- 3 (+1) Annual Monitoring Reports
- 1 Programme Outcome Assessment Report
- Other Indirect Assessment Reports
- 7 CTES Reports

**Others- External
Programme Assessor Report
Employers Assessment
Report- Industrial Training**

CTES- Analisis Terperinci



UNIVERSITI MALAYA
The Leader in Research & Innovation

Course and Teaching Evaluation System (CTES)

SKRD

Home >

Administrative >

Course Listings >

Calendar Schedule >

Reports >

+ Reports

Suggestion Listings >

Logout >

Session / Semester

Session : 2013/2014
Semester : 1

Semester Schedule Calendar

Undergrad
System: **SEMESTER**
Open : 11/11/2013 08:30:00
Close : 29/12/2013 23:59:00
Status : **Closed**
Open By : FAKULTI

Undergrad
System: **TERM**
Open : 11/11/2013 09:41:00
Close : 31/05/2014 23:59:00
Status : **Closed**
Open By : FAKULTI

Final Date To Generate

Undergrad
System: **SEMESTER**
Open : 30/12/2013 10:04:00
End : 20/01/2014 23:59:00
Status : **Open**

Undergrad
System: **TERM**
Open : 0
End : 0
Date :
Status : **Closed**

You are successfully log on 15/01/2014 and at 11:36:32 AM

Live Clock: 2:25:57 PM

Reports

 Laporan Pensyarah Mengikut Subjek

- Semester
- Penggal

 Laporan Purata Keseluruhan Penilaian Dan Skor.

 Laporan Penilaian Pensyarah Mengikut Kategori

 Senarai Pensyarah Yang Mendapat Sekurang-kurangnya 75% Dalam Penaksiran Pengajaran (Skor 4.50 ke atas Semester 1 Sesi 2012/2013 dan kebawah dan Skor 3.75 bagi Semester 2 Sesi 2012/2013 dan keatas) *(keperluan PSPTN)*

 Laporan Penilaian Pengajaran Pensyarah Kurang Daripada Skor Minimum (skor 4.20 mulai Sesi 2012/2013 Semester 1 dan kebawah, skor 3.50 bagi Semester 2 Sesi 2012/2013 dan keatas)

 Laporan Penilaian Kursus Kurang Daripada Skor Minimum (skor 4.00 bagi sesi 2012/2013 sem 1 dan kebawah, skor 3.50 bagi sesi 2012/2013 sem 2 dan keatas)

 Laporan Penilaian Kemudahan Pengajaran & Pembelajaran Kurang Daripada Skor Minimum (skor 4.00 bagi sesi 2012/2013 sem 1 dan kebawah, skor 3.50 bagi sesi 2012/2013 sem 2 dan keatas)

 Laporan Penilaian Pelajar Kurang Daripada 4.00 (Sesi 2010/2011 dan kebawah sahaja)

 Senarai Pelajar Belum Buat Penilaian

- Semester
- Penggal

 Laporan Kursus Ditawarkan Dan Kursus Yang Dibuat Penilaian

 Skala Peratus Mengikut Fakulti

 Kursus yang Tidak Dinilai

 Senarai Kursus yang dinilai mengikut fakulti. *(berdasarkan Student Register skrin pentadbir)*

 Senarai Nama Pensyarah Yang Mencapai Nilai Skor untuk Bahagian B - Penilaian Pengajaran (skor 4.50 bagi sesi 2012/2013 sem 1 dan kebawah, skor 3.75 bagi sesi 2012/2013 sem 2 dan keatas)

 Peratus Pensyarah Yang Mencapai Skor Minimum untuk Bahagian B - Penilaian Pengajaran (skor 4.20 bagi sesi 2012/2013 sem 1 dan kebawah, skor 3.50 bagi sesi 2012/2013 sem 2 dan keatas)

 Peratus Pensyarah Yang Mencapai Skor Minimum untuk Bahagian B - Penilaian Pengajaran (skor 4.50 bagi sesi 2012/2013 sem 1 dan kebawah, skor 3.75 bagi sesi 2012/2013 sem 2 dan keatas) *(keperluan PSPTN)*

 Laporan Purata Skor Penilaian Mengikut Kursus

 Laporan Peratus Penilaian Mengikut Kursus

 Laporan Penilaian Mengikut Program

2007 - 2009 Developed by Information Technology Centre, University of Malaya



SISTEM PENILAIAN KURSUS DAN PENGAJARAN



Purata Skor Penilaian Mengikut Kursus

Sesi / Sem : 2012/2013 (2)

Fakulti : SASTERA DAN SAINS SOSIAL

Kod Kursus : ADEA3304 (PERANCANGAN BANDAR DAN PEMBANGUNAN WILAYAH)

Bil Pelajar Mendaftar : 25

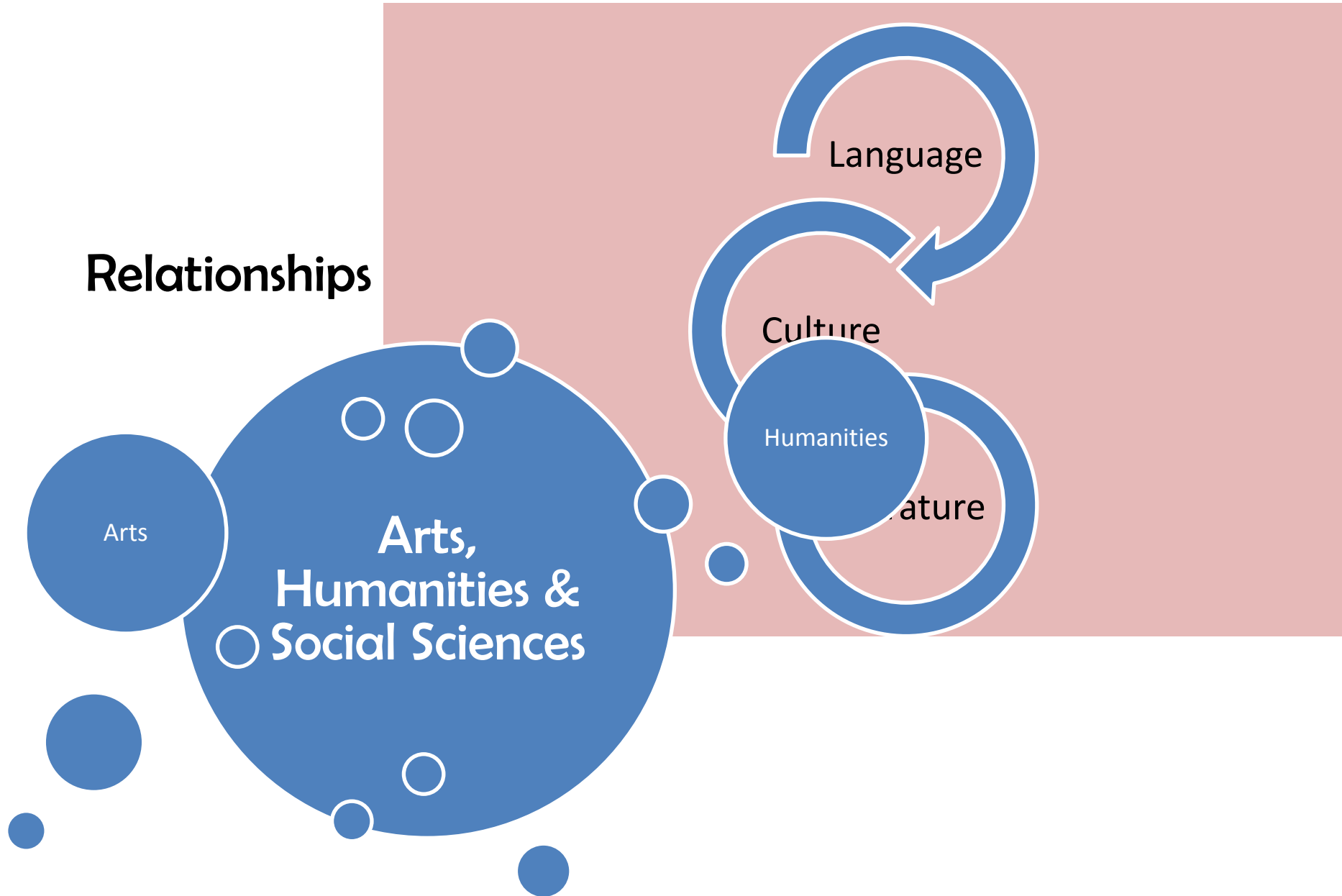
Bil Pelajar Menilai : 24

Bahagian	Soalan						
	1	2	3	4	5	6	7
A (Penilaian Kursus)	4.1	4.1	4.15	4.19	4.17	4.13	N/A
B (Penilaian Pengajaran Pensyarah)	4.13	4.21	4.15	4.21	4.21	4.23	4.08
C (Penilaian Persekitaran Pembelajaran)	4.02	3.96	4.04	3.98	N/A	N/A	N/A

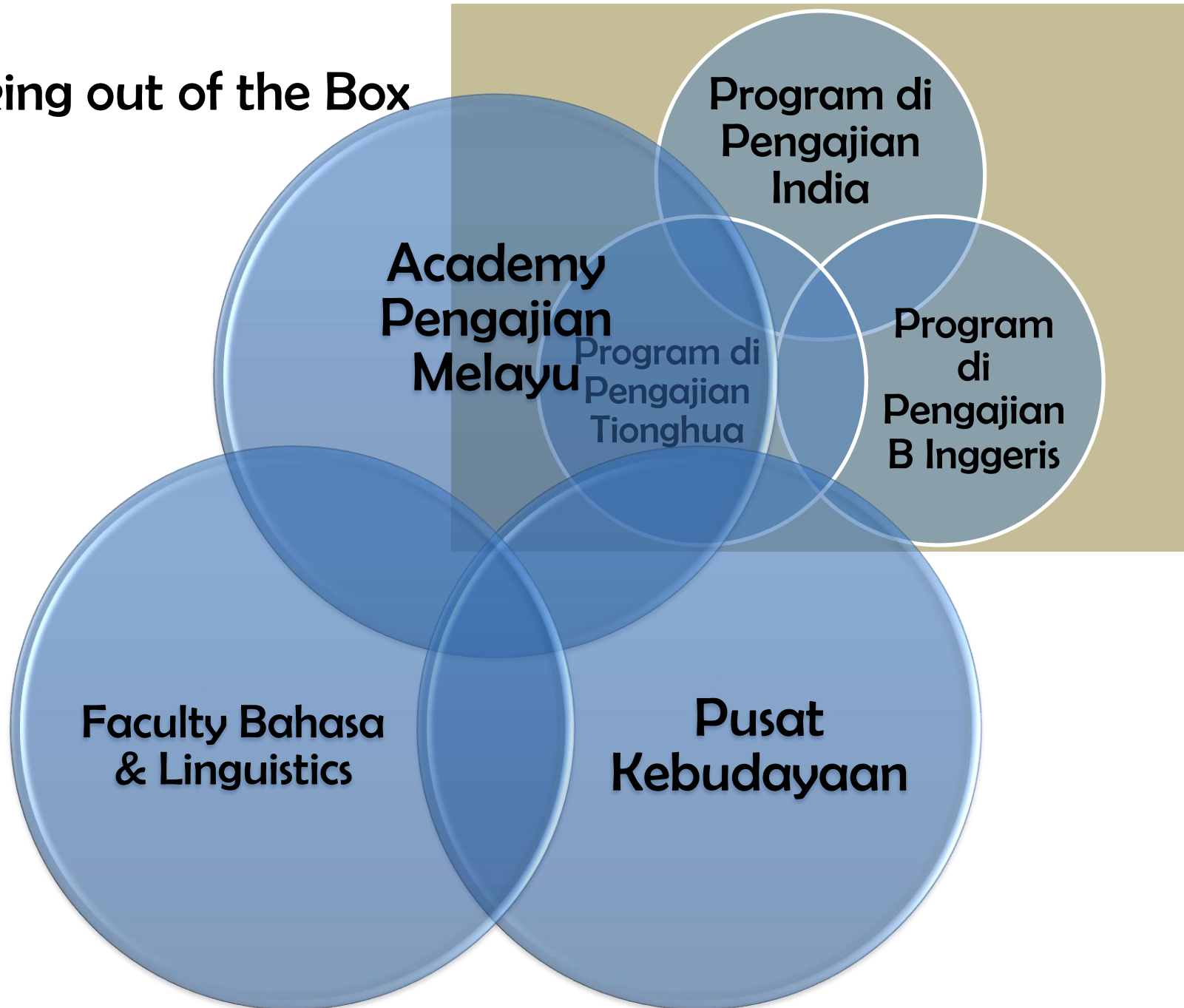
...Thinking out of the Box

Communalities

Relationships



...Thinking out of the Box



Programme Mapping ?



Conclusion

- Curriculum review must adhere to:
 - Dasar Perubahan Kurikulum KPT
 - Keperluan MQF & COPPA
 - Keperluan Universiti Malaya
 - Standard Program (jika berkenaan)
- Curriculum Review must be systematic- on-going- based on a review of existing programme with a view to improve the programme.

Good Luck & Thank You