Inspiring Futures, Nurturing Possibilities: The Impetus of a Future-Focused Academic Programme
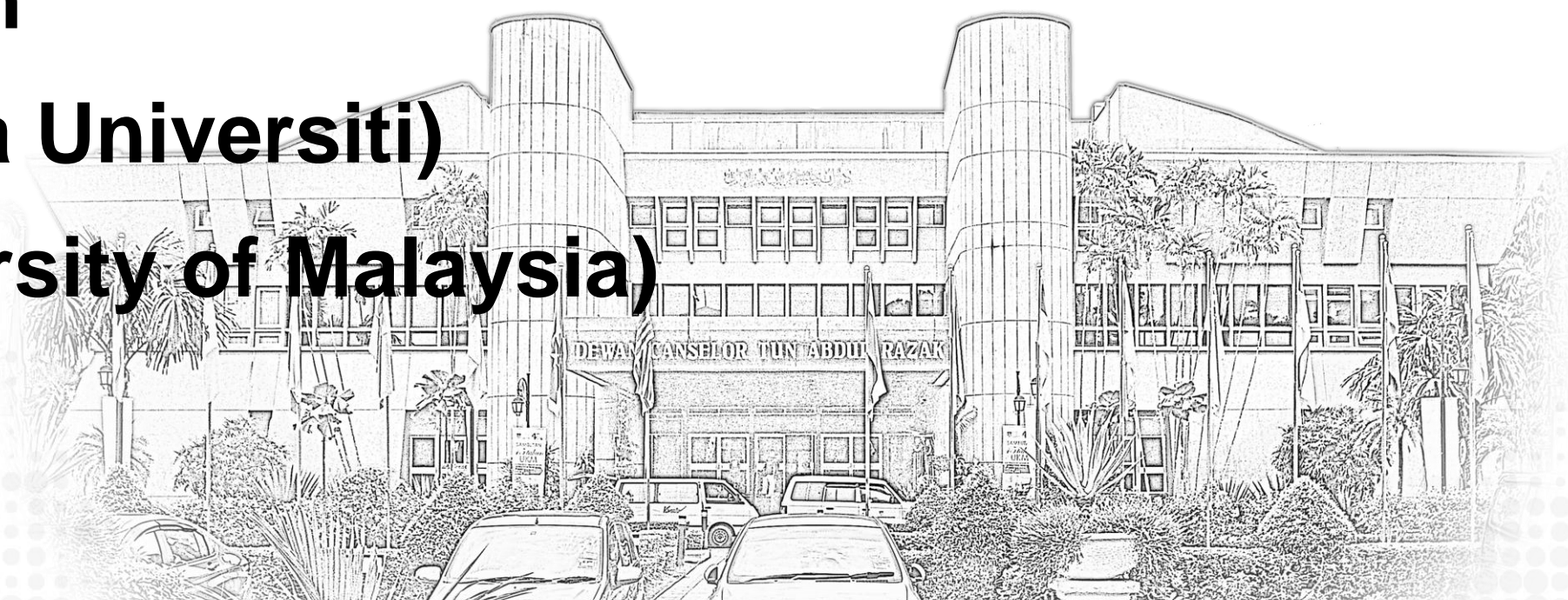
Associate Professor Dr. Wahiza Wahi

Associate Professor Dr. Mashitoh Yaacob

Associate Professor Dr. Nazri Muslim

School of Liberal Studies (Pusat Pengajian Citra Universiti)

Universiti Kebangsaan Malaysia (The National University of Malaysia)

Mengilham Harapan, Mencipta Masa Depan

Amanat Menteri Pengajian Tinggi 2012:
"BERFIKIRAN GLOBAL BERTINDAK LOKAL"

"Salah satu bentuk tuntutan masa hadapan ialah sumber manusia berilmu yang **berketrampilan tinggi, luwes dan mempunyai daya fikiran yang bersifat syumul (holistik)**".

"Untuk memenuhi keperluan baharu ini, saya berpendapat semua IPTA memberi perhatian kepada konsep **PENDIDIKAN LIBERAL DAN MULTI-DISIPLIN (*liberal and multi-disciplinary education*)** dalam semua program pendidikan pra- dan pasca-siswazah"

UNIVERSITI
KEBANGSAAN
MALAYSIA
The National University of Malaysia

FALSAFAH UKM

UKM mengukuh paduan antara iman kepada Allah dengan ilmu yang bermanfaat serta gabungan antara teori dengan amal adalah dasar utama bagi perkembangan ilmu, proses pembinaan masyarakat terpelajar dan pembangunan Universiti.

Mandate by the Malaysian Minister of Higher Education (2012)

THINK GLOBALLY ACT LOCALLY

"One of the future demands is a **highly skilled**, **flexible** and **knowledgeable** human resource with **a holistic mind.**

To meet these requirements, all Higher Learning Institutions must pay attention to **the concept of liberal and multi-disciplinary education** in all undergraduate and postgraduate education."

(Datuk Seri Mohamed Khaled Nordin, 2012)

GENERAL EDUCATION (PENDIDIKAN CITRA UKM)

1982

Center for
General Studies
Pusat
Pengajian Umum

10 JULY 2013

Center for
General Studies
Pusat
Citra Universiti

1 MARCH 2021

School of Liberal Studies
Pusat Pengajian
Citra Universiti

GENERAL EDUCATION OBJECTIVES:

i. To produce graduates who have the **personality**, which represents the notion of 'Citra UKM' (multidiscipline), **integrity** and **soft-skills** that can fulfil the current and future needs.

ii. To ensure that the graduates obtain **a holistic education** so that they can be **independent** and **adaptable** to the consistently changing environment.

iii. To produce graduates who are **competent, competitive**, **agile** towards fulfilling the demands of the workforce.

iv. To produce graduates who are able to become **global citizens**, who are able to **work in groups** and posses the skills of **cross-cultural communication.**

v. To produce graduates who not only have the knowledge in their fields of expertise, but also the knowledge in other fields that can give some **added values to their self-development and career paths**.

vi. To produce graduates who are **ethical** and have the **integrity** as a human, worker and citizen.

GENERAL EDUCATION (PENDIDIKAN CITRA) MODULE

Domain	Academic Programme	
	Profesional Programme; dan 2u2i/3u1i/2u1i Programme	Non-Profesional Programme
Compulsory University Courses LMCW 2163 Islamic Civilization and Asian Civilization LMCW2173 Ethnic Relations LMCW1022 Basic Entreprenuership and Innovation LMCW2022 Data Management and Analytics	10 credit	10 credit
Citra 1 Ethics, Citizenship and Civilization	4 credit	4 credit
Citra 2 Language, Communication and Literacy	4 credit	4 credit
Citra 3 Quantitative and Qualitative Reasoning	2 credit	2 credit
Citra 4 Leadership, Entreprenuership and Innovation	2 credit	2 credit
Citra 5 Science, Technology and Sustainability	2 credit	2 credit
Citra 6 Family, Health and Lifestyle	2 credit	2 credit
Free flow	4 credit	14 credit
Total	**30 credit**	**40 credit**

500+ courses offered by the School of Liberal Studies

https://www.ukm.my/citra/publication/
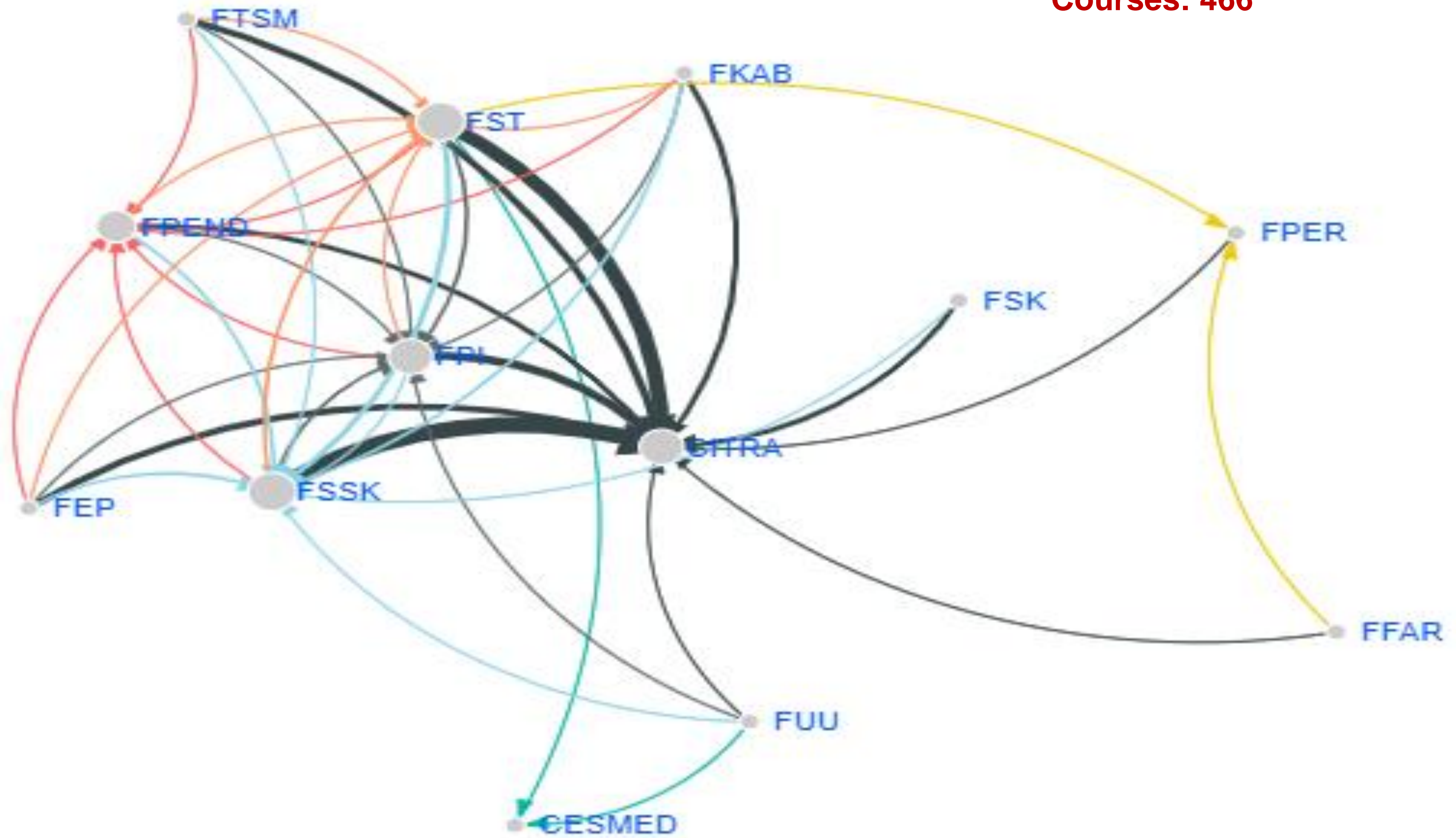
https://anyflip.com/oqsa/fkzr/

TABURAN PELAJAR RENTAS FAKULTI
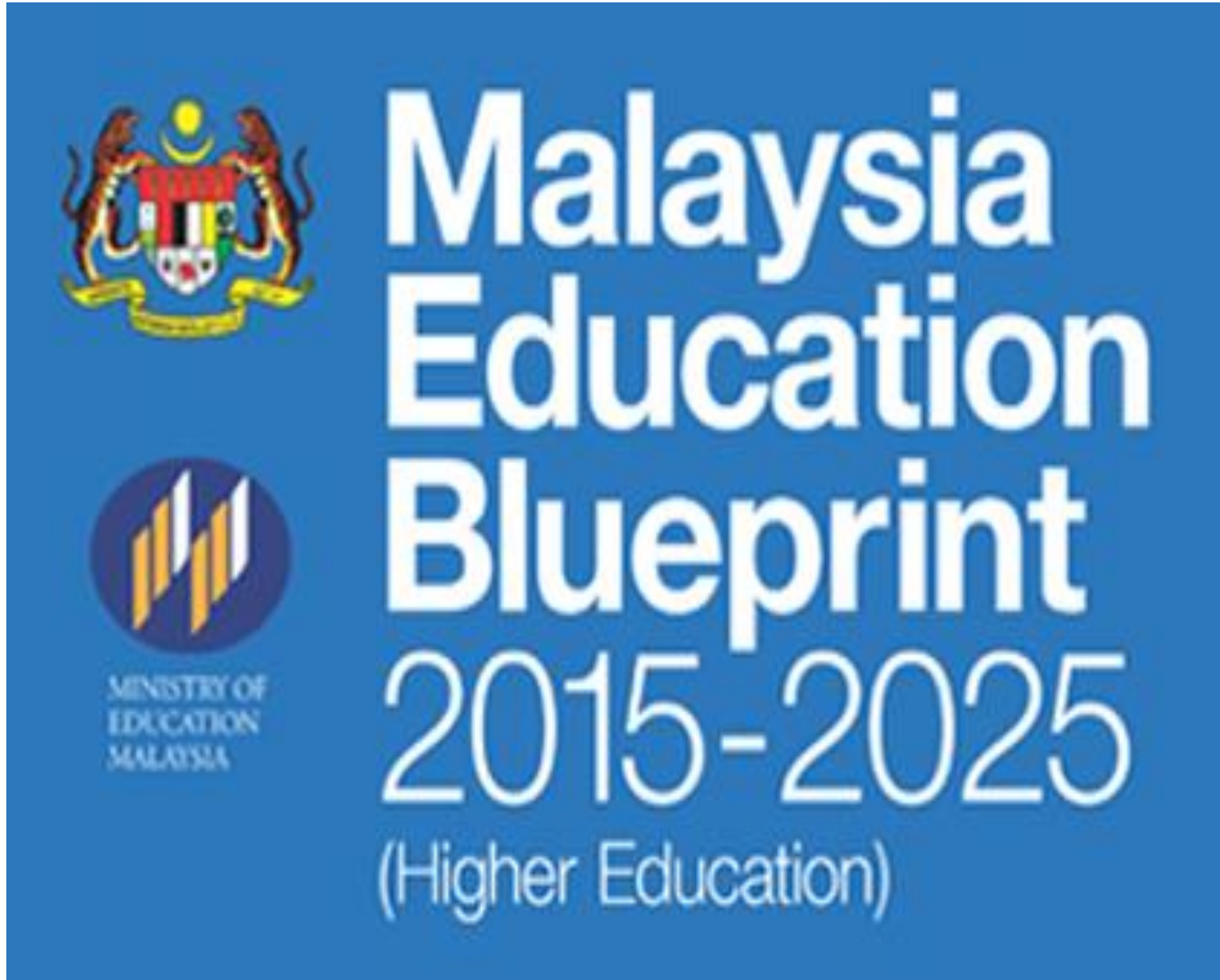
STUDENT DISTRIBUTION ACROSS FACULTIES
(2017)
Students: 21,878
Courses: 466

FTSM
FKAB
FST
FPEND
FPER
FSK
FPL
CITRA
FSSK
FEP
FFAR
FUU
CESMED

GENERAL EDUCATION (PENDIDIKAN CITRA) MODULE

Domain	Citra Domain 2014 -2020	New Domain (beginning 2021 Session - current)	Credit
CW	**Compulsory University Courses** **LMCW 2143 Philosophy & Current Issues; LMCW2153 Appreciation of Ethics & Civilization** LMCW1022 Basic Entreprenuership & Innovation; LMCW2022 Data Management & Analytics		10
C1	Ethics, Citizenship & Civilization	Language & Communication Literacy	2
C2	Language, Communication & Literacy	Critical & Design Thinking	2
C3	Quantitative & Qualitative Reasoning	Arts, Culture & Civilization Literacy	2
C4	Leadership, Entreprenuership & Innovation	Science, Technology & Health Literacy	2
C5	Science, Technology & Sustainability	Entreprenuership & Social Responsibility	2
C6	Family, Health & Lifestyle	Personal Competence & Teamwork	2
TOTAL CREDIT HOURS			**22**

Lampiran 15.1   Contoh Peratusan Komposisi Kurikulum Program Pengajian

ELECTIVE COURSES
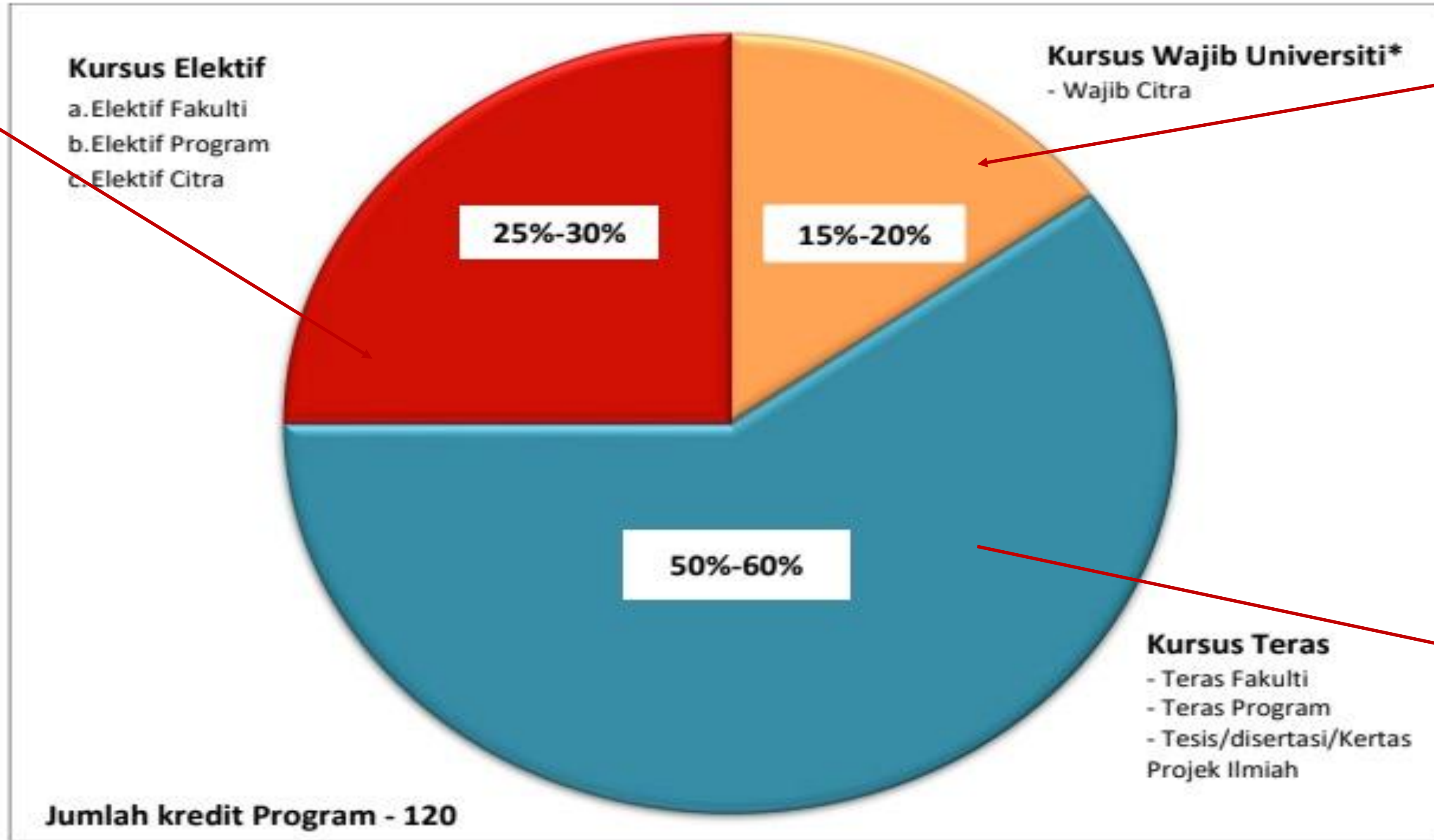
GENERAL EDUCATION (PENDIDIKAN CITRA)

CORE COURSES

Kursus Elektif
a. Elektif Fakulti
b. Elektif Program
c. Elektif Citra

25%-30%

Kursus Wajib Universiti*
- Wajib Citra

15%-20%

50%-60%

Kursus Teras
- Teras Fakulti
- Teras Program
- Tesis/disertasi/Kertas Projek Ilmiah

Jumlah kredit Program - 120

*Nota: Untuk keperluan di UKM, rujuk Pusat Citra UKM untuk penetapan peratusan kursus Wajib Universiti.

UKM EDUCATION 4.0 FRAMEWORK FUTURE READY CURRICULUM

- 21st century skills - critical thinking, problem solving, communication, technological literacy, collaboration and creativity (Future Work Skills 2020)

- **Flexible approach** through **interdisciplinary**; **interuniversity**; localised yet globalised; provide opportunities for **student and instructor mobility** & provide **mutual recognition for courses at other universities with appropriate credit transfer**. *(Next slide)

- Curriculum – **non-conventional**, incorporates the concept of **jukebox** and **organic** that allows students to fully control and determine their learning mode; **personalized** and **customized** according to students' needs.

Institutional Course Sharing

Academic collaboration - provides opportunity for 2 or more institutions within & outside the country to implement courses/programmes sharing upon agreement by all the parties involved. The Senate of UKM has approved credit 'absorption' for courses offered by the host institutions. Students are allowed to take up courses in their field of concentration outside UKM via mobility platform and the course codes + grades are included in their academic transcript.

HOME INSTITUTION

Where the student receives his/her degree

HOST INSTITUTION
Collaborating partner where a student takes a course outside of his/her home institution

Institutional Course Sharing

HOME — UNIVERSITI KEBANGSAAN MALAYSIA — The National University of Malaysia

HOST INSTITUTIONS
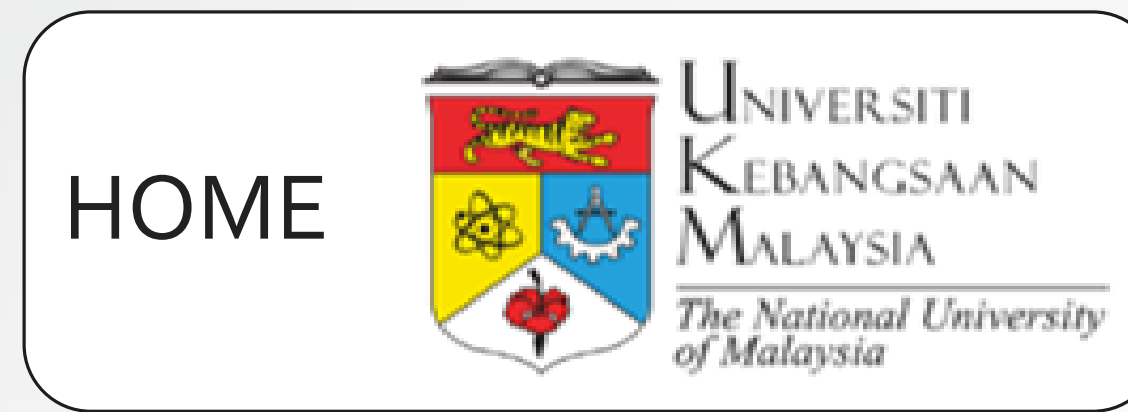
UNIVERSITI TEKNOLOGI MARA
- Tourism - 8 stds
- Event Management – 3 stds
- Halal Industry – 3 stds
- Transport Management -1 std

UNIVERSITI MALAYA
- Early Childhood Education – 4 stds

MONASH University MALAYSIA
- Gender & Sexuality Studies – 1 std

UNIVERSITI MALAYSIA KELANTAN
Agro-Based Industry -1 std

Academic & Professional Programmes and Courses

ACCREDITATION OF PRIOR EXPERIENTIAL LEARNING (APEL)

OPEN AND DISTANCE LEARNING (ODL)

MICRO-CREDENTIAL

MASSIVE OPEN ONLINE COURSES (MOOC)

PROFESSIONAL CERTIFICATES
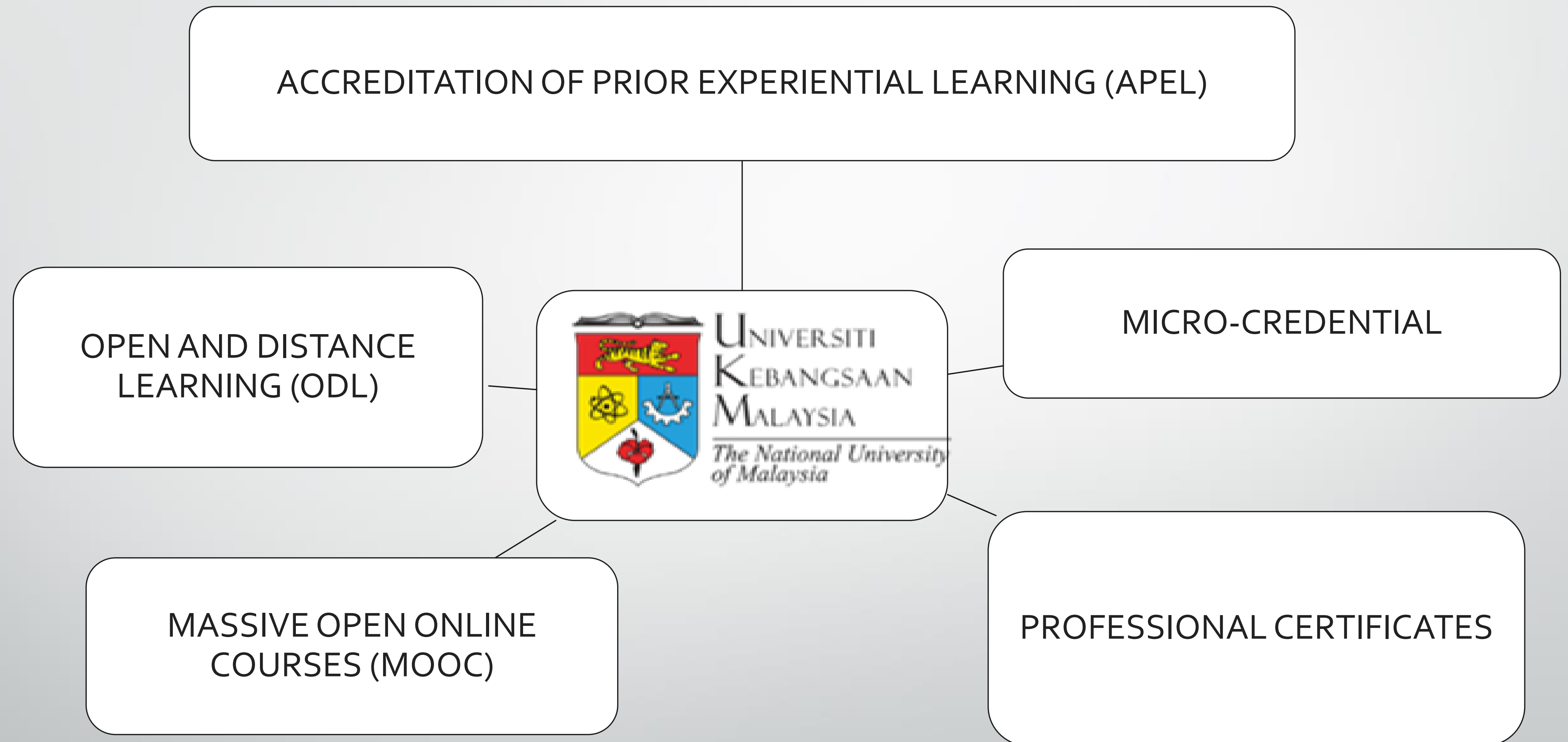
Formal awards & qualifications recognized by Malaysian Qualifications Agency (MQA)

GENERAL EDUCATION (PENDIDIKAN CITRA)

ACADEMIC PROGRAMME

Compulsory University Courses

Citra C1 – C6 Courses

English Language & Malay Language Courses

2018:
Bachelor of Science in Liberal Studies

2022:
Master of Science in Liberal Studies

2018

Future Ready Curriculum

Flexible study structure

Multidisciplinary

Inter-Professional education

Trans boundaries

Bachelor of Science in Liberal Studies

CiTRa
U K M

Industry Ready

Job Creators

Possess multi-disciplinary knowledge & skills

Problem solvers on the go

Multi taskers

Versatile, resilient and eloquent
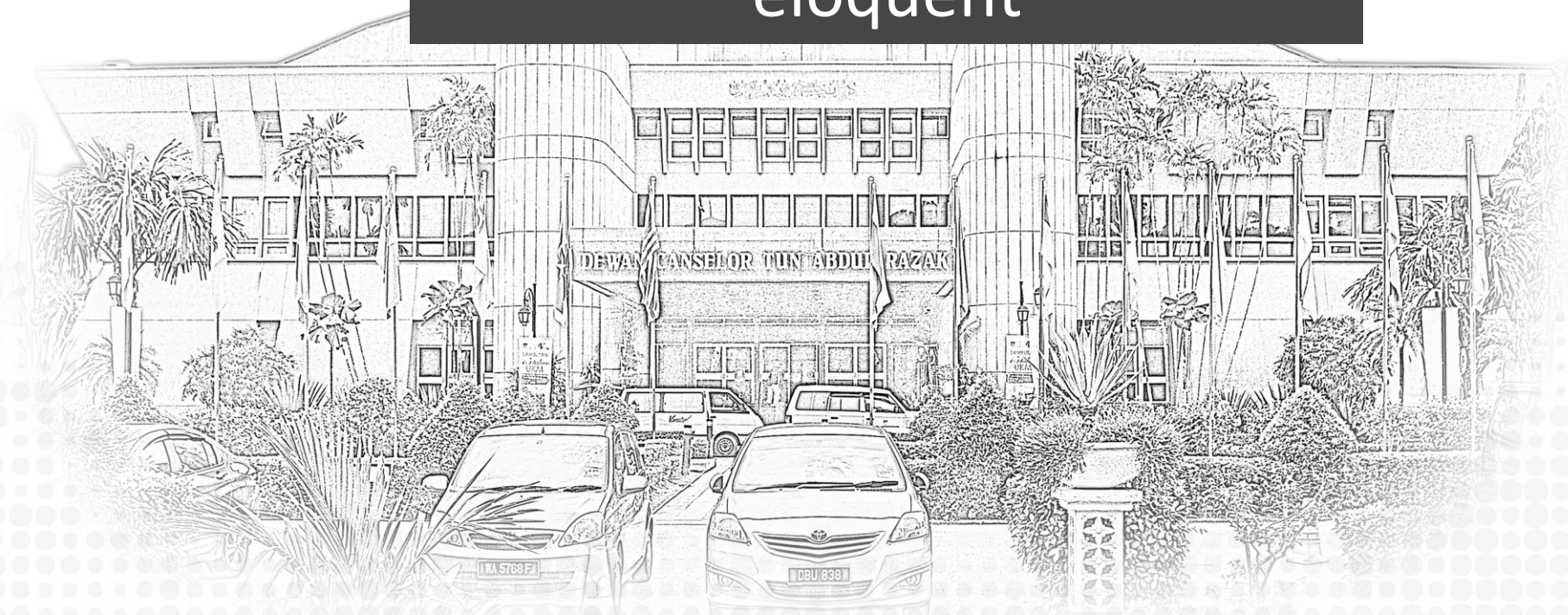
Bachelor of Science in Liberal Studies
Sarjana Muda Sains Citra

- Flexible and multidisciplinary programme: Students plan their own curriculum within the programme according to their personal and career preferences.

- Non-conventional programme: Students choose their own courses offered by UKM / Higher Learning Institutions / any local or global organisations / industries.

- Future-focused curriculum: Students create learning & career pathways

- Curriculum – Personalised, dynamic, fluid & organic

- Learning – Inclusive and Flexible
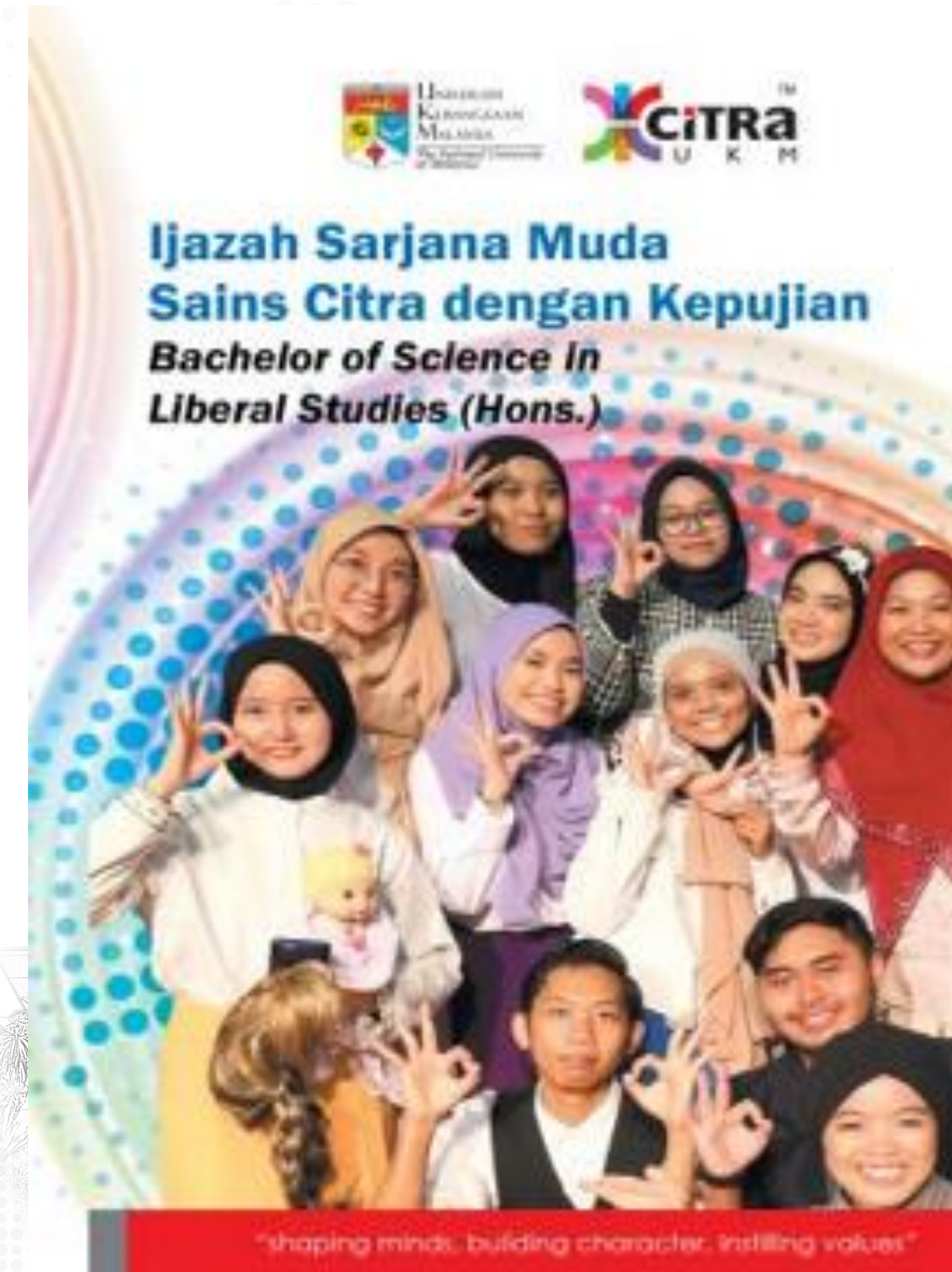
Program Structure

- 4 years (8 semester)

- 2 years in university / 2 years in industry (2u2i) or 3 years in university / 1 year in industry (3u1i)

Student Intake

- 1st cohort (2018/2019) : 86 students (graduated November 2022)

- 2nd cohort (2019/2020) : 56 students

- 3rd cohort (2020/2021) : 37 students

- 4th cohort (2021/2022) : 36 students

- 5th cohort (2022/2023) :

Comparison btwn SmSn Citra & other Liberal Studies Programmes

Ciri-ciri Program / Program	Juke Box	2u2i / 3u1i	Penumpuan / Pengkhususan / Concentration	Pelajar bina/cipta sendiri Penumpuan / Pengkhususan / Concentration
Program SmSn Citra PCU, UKM	/	/	/	/
Program Pengajian Liberal Wawasan Open University, Malaysia	-	-	/	-
Program Pengajian Liberal di SILS, Waseda University, Jepun	-	/	/	-
Special Concentration Program, Harvard College	-	-	/	/
Bachelor of General Studies, Athabasca University Kanada	-	-	/	-
Bachelor of General Studies, The University of Mississippi, Amerika Syarikat	-	-	/	-

MASTER OF
LIBERAL STUDIES
(MSc Citra)
School of Liberal Studies (CITRA UKM)

School of Liberal Studies UKM (CITRA UKM) is a faculty-level study center established to specialise in Liberal and Multidisciplinary education across all programs offered.

OBJECTIVES OF CITRA UKM

To produce human capital with first-class mindset grounded by knowledge and innovation in facing challenges of economic development, aligned with the National Higher Education Strategic Plan through national aspirations and national education philosophy.

VISION, MISSION & GOALS OF CITRA UKM

- Aspires to produce holistic graduates with UKM identity through mindset development and character building approaches.
- Accomplishes the market demands through human capital development that is creative, innovative, able to master and apply knowledge and soft skills to face challenges and compete in the real world.

MSc LIBERAL STUDIES

The program offers new opportunities for candidates to undergo an educational structure in the field of liberal studies that are inter and intra disciplinary in fulfilling the needs of external markets and industries.

LEARNING METHODS

Academic Supervisor

Industrial Supervisor

COLLABORATION

SUPERVISION

RESEARCH

INDUSTRY/GOVERMENT AGENCY/COMMUNITY ORGANIZATION

World Economic Forum 2020

- Global Education 4.0 Framework for **shifting learning content and experiences** towards the needs of the future. This entails creating

    (i) **learning experiences** that take full advantage of the opportunities offered by various local and global institutions

    (ii) **learning ecosystems** that encompass personalised and self-paced; accessible and inclusive; problem-based and collaborative; lifelong and student-driven learning (World Economic Forum Report, 2020).

Figure 2: The World Economic Forum Education 4.0 Framework

Content (built-in mechanisms for skills adaptation)

Experiences (leveraging innovative pedagogies)

Global citizenship skills
To include content that focuses on building awareness about the wider world, sustainability and playing an active role in the global community.

Personalized and self-paced learning
From a system where learning is standardized, to one based on the diverse individual needs of each learner, and flexible enough to enable each learner to progress at their own pace.

Innovation and creativity skills
To include content that fosters skills required for innovation, including complex problem-solving, analytical thinking, creativity and systems-analysis.

Accessible and inclusive learning
From a system where learning is confined to those with access to school buildings to one in which everyone has access to learning and is therefore inclusive.

Technology skills
To include content that is based on developing digital skills, including programming, digital responsibility and the use of technology.

Problem-based and collaborative learning
From process-based to project and problem-based content delivery, requiring peer collaboration and more closely mirroring the future of work.

Interpersonal skills
To include content that focuses on interpersonal emotional intelligence (i.e. empathy, cooperation, negotiation, leadership and social awareness).

Lifelong and student-driven learning
From a system where learning and skilling decrease over one's lifespan to one where everyone continuously improves on existing skills and acquires new ones based on their individual needs.

Top 10 skills of 2025

WORLD ECONOMIC FORUM

- Analytical thinking and innovation
- Active learning and learning strategies
- Complex problem-solving
- Critical thinking and analysis
- Creativity, originality and initiative
- Leadership and social influence
- Technology use, monitoring and control
- Technology design and programming
- Resilience, stress tolerance and flexibility
- Reasoning, problem-solving and ideation

Type of skill
- Problem-solving
- Self-management
- Working with people
- Technology use and development

Source: Future of Jobs Report 2020, World Economic Forum.

Why flexible learning pathways are the way forward

- The United Nations Education 2030 Agenda encourages all countries to develop well-articulated education systems that offer Flexible Learning Pathways for their students.

- **Flexibility enhances the resilience of education systems**. Whether students are entering, moving through, leaving, or returning to higher education, the more flexible the learning pathways, the more likely it is that systems will be able to adapt to change and new challenges. - Michaela Martin, IIEP Researcher

The International Institute for Educational Planning (IIEP – UNESCO) is an arm of UNESCO created in 1963 in Paris, France

Experiential Learning and Competency-Based Education Landscape (EXCEL)

The Framework

EXCEL Potentials

The four EXCEL thrusts are expected to bring about changes and new opportunities in the provision of academic programs.

#	
1	Provide industry and community experience early
2	Allow theories learnt to solve community and industry issues and problems
3	Give choice and options to students
4	Provide real world experience
5	Provide new learning and teaching environment
6	Build awareness to the environment and current scenarios
7	Shift from single & multiple discipline to interdiscipline and transdisciplinary approach

#	
8	Address community needs and create a solution using industry solutions
9	Spur nation growth via R & D based education
10	Potential to develop holistic graduates who are independent and have necessary living skills and prepare themselves when they come in to the industry
11	Potential to produce graduates who can survive in the outside world
12	Potential to build resilience which is something that students should be equipped with in the 21st century
13	Potential to develop holistic graduates who have interest and passion in their career

"The fact is that given the challenges we face, education doesn't need to be reformed — it needs to be transformed.
The key to this transformation is not to standardize education, but to personalize it, to build achievement on discovering the individual talents of each child, to put students in an environment where they want to learn and where they can naturally discover their true passions. The outcomes are unpredictable. What is certain is that we and our students are confronting challenges that are unique in human history."
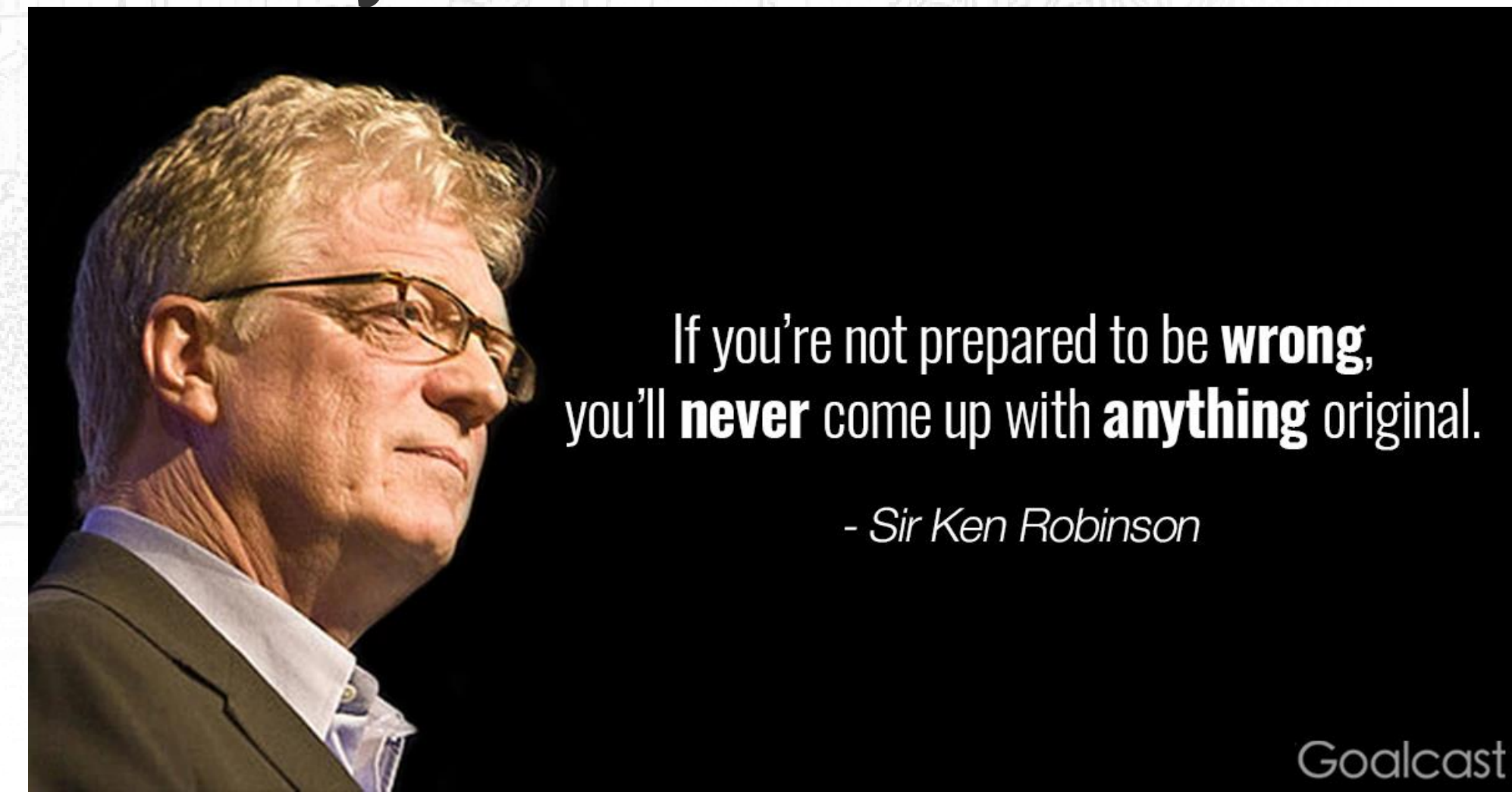
If you're not prepared to be **wrong**, you'll **never** come up with **anything** original.

- Sir Ken Robinson

Goalcast

THANK YOU