



QAAU SYNOPSIS - M4

APRIL 30TH - 2018

CUFE-QAAU-30/4/2018



OUT-LINE

1- FACULTY BOARD MEETING-MARCH 2018 DECISIONS

2- ONGOING QAAU PROCESSES OF 2018

A- CURRENT STATUS OF COURSE FILES UPLOAD

B- QAAU PUBLICATIONS: STUDENTS' FLYER & INSTRUCTORS BOOKLET

C- NEW SELF APPRAISAL FOR PROGRAMS

E- EVALUATION SHEETS & EXIT SURVEY SPRING PROCEDURES & COORDINATION WITH IT UNIT FEEDBACK

E- NEW NARS 2018 & EFFECT ON CUFE- workshop to be decided

F- "Designing Blueprints of Courses, Exams and Tests" Dr. Fouad Khalaf PPT.

3- CONCLUSIVE QAAU TASKS FOR END OF SPRING SEMESTER 2018



CUFE-QAAU 2018

QAAU 2018

FACULTY BOARD MEETING- MARCH 2018

- وافق المجلس على متطلبات التحفيز التي تقترحها وحدة ضمان الجودة لمنسقي الجودة بالأقسام والبرامج المختلفة وذلك باحتساب عدد 3 ساعات ضمن الأعباء الدراسية مع صرف مكافأة مالية نصف سنوية على جهودهم.

- احيط المجلس علما بتقرير وحدة ضمان الجودة مع التأكيد على ضرورة إبداء رأي الأقسام في المتطلبات الجديدة (NARS) وبضرورة إستكمال الأقسام التي لم تقم بتحميل ملفات المواد المختلفة لذلك.

محضر مارس 2018
الجلسة السابعة
بتاريخ 13/3/2018
العام الجامعي
2017/2018



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2

QAAU 2018

ONGOING PROCESSES OF 2018

ONGOING PROCESSES OF 2018

2

A- CURRENT STATUS OF COURSE FILES UPLOAD

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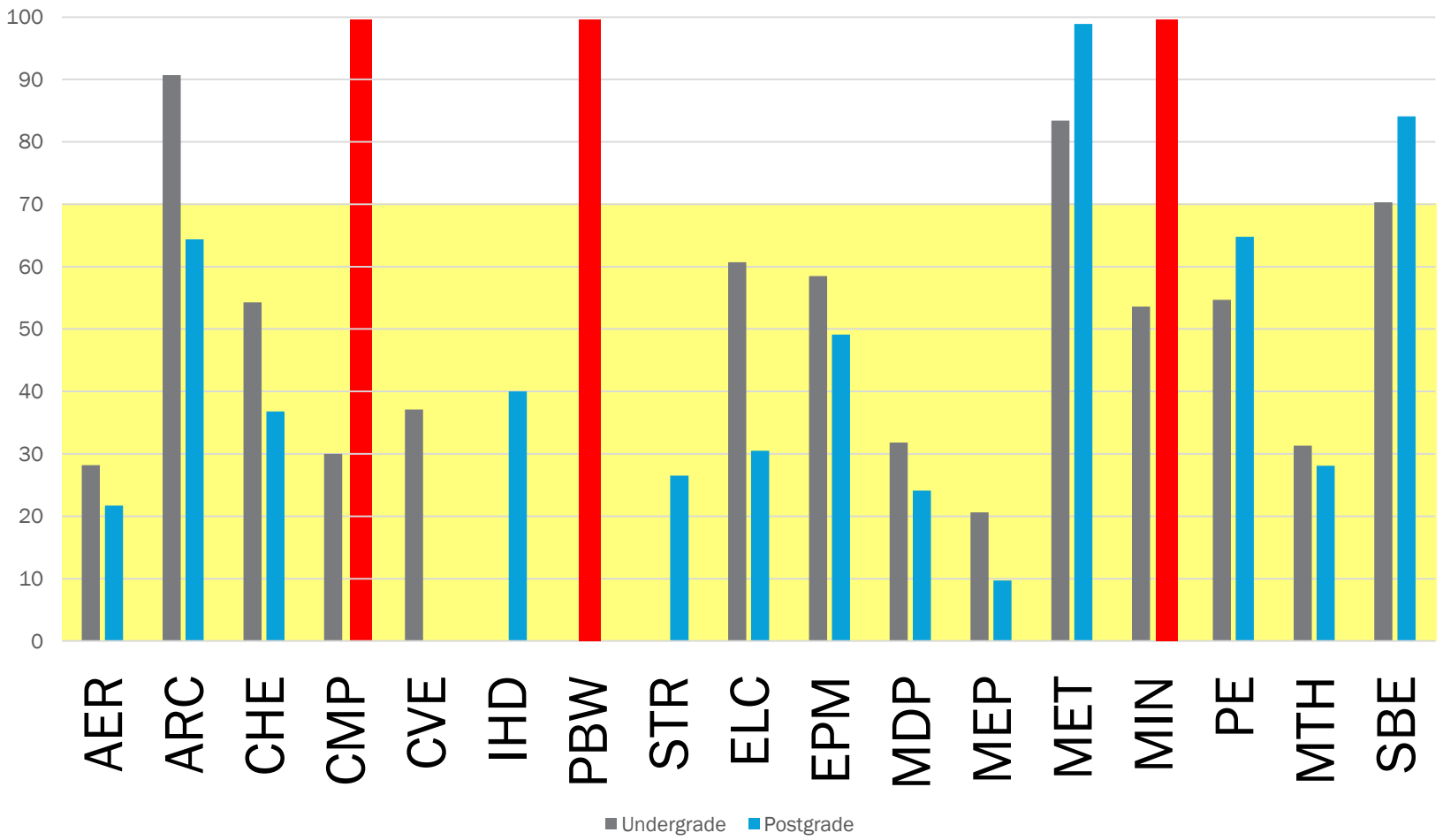
CUFE-QAAU 2018



A- CURRENT STATUS OF FALL COURSE FILES UPLOAD (2-SEMESTER UNDERGRAD & POSTGRAD)

20

RED MEANS ZERO UPLOAD



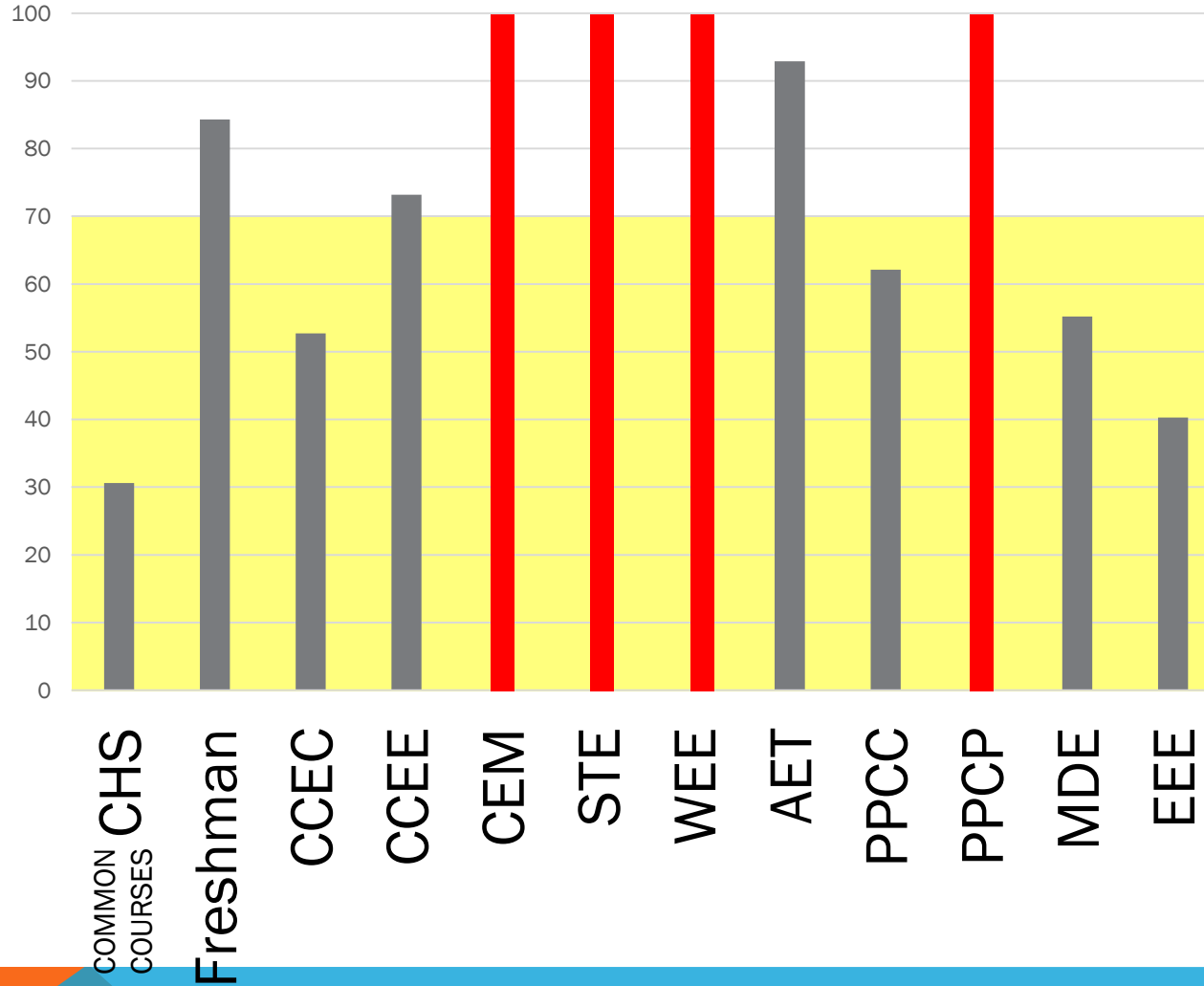
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❑ A- CURRENT STATUS OF FALL COURSE FILES UPLOAD (CREDIT HOURS PROGRAMS)

29

■ RED MEANS ZERO UPLOAD



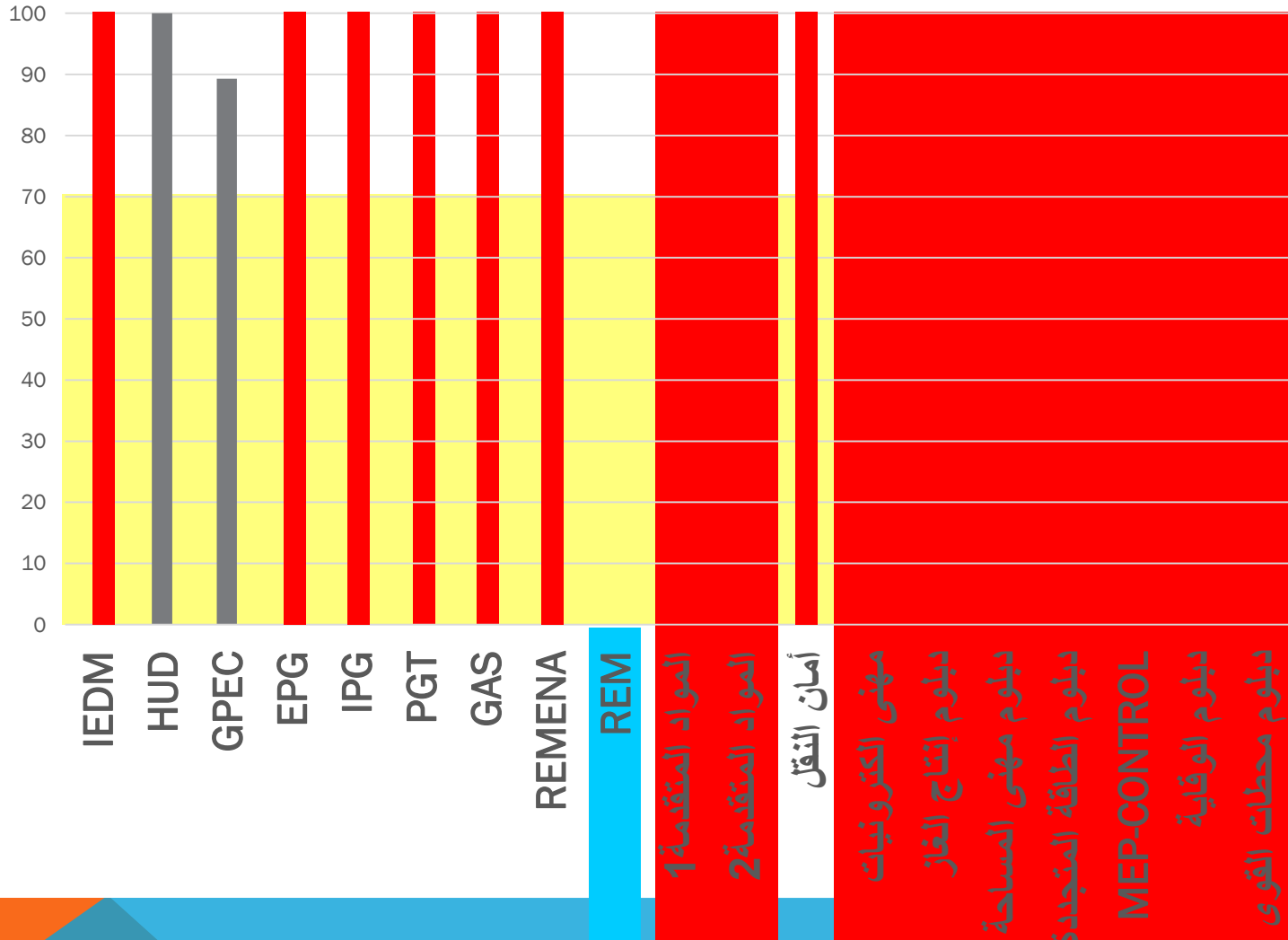
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❑ A- CURRENT STATUS OF FALL COURSE FILES UPLOAD (INTERDISCIPLINARY PROGRAMS)

■ RED MEANS ZERO UPLOAD

29



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❑ A- CURRENT STATUS OF SPRING 2018 CORRESPONDANCE

29

PROGRAM	UNDERGRAD	POSTGRAD
	LIST REVIEW	LIST REVIEW
2 SEMESTER PROGRAMS		
AER	MODIFICATIONS DONE	CREATED
ARC	NO MODIFICATIONS	CREATED
CHE	MODIFICATIONS DONE	CREATED
CMP	MODIFICATIONS DONE	CREATED
IHD	MODIFICATIONS DONE	CREATED
PBW	MODIFICATIONS DONE	CREATED
STR	MODIFICATIONS DONE	CREATED
ELC	MODIFICATIONS DONE	CREATED
EPM	MODIFICATIONS DONE	CREATED
MECH-G_COMMON	MDP MISSING	NA
MDP	NOT RECEIVED	NOT RECEIVED
MEP	MODIFICATIONS DONE	NOT RECEIVED
MPM-G_COMMON	MODIFICATIONS DONE	NA
MET	MODIFICATIONS DONE	CREATED
MIN	MODIFICATIONS DONE	NOT RECEIVED
PE	MODIFICATIONS DONE	CREATED
MTH	NO MODIFICATIONS	CREATED
SBE	MODIFICATIONS DONE	CREATED



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❑ A- CURRENT STATUS OF SPRING 2018 CORRESPONDANCE

29

PROGRAM	UNDERGRAD LIST REVIEW
CHS PROGRAMS	
CHS	NOT RECEIVED
FRESHMAN	MODIFICATIONS DONE
CCEC	MODIFICATIONS DONE
CCEE	NO MODIFICATIONS
CIVIL_COMMON	NOT RECEIVED
CEM	NOT RECEIVED
STE	NOT RECEIVED
WEE	NOT RECEIVED
AET	MODIFICATIONS DONE
PPCC	NO MODIFICATIONS
PPCP	NOT RECEIVED
MDE	NOT RECEIVED
EEE	MODIFICATIONS DONE

PROGRAM	POSTGRAD LIST REVIEW
INTERDISCIPLINARY PROGRAMS	
MSc_IEDM	CREATED
MSc_HUD	CREATED
MSc_GPEC	CREATED
Dipl_EPG	NOT RECEIVED
Dipl_IPG	NOT RECEIVED
MSc_PGT	NOT RECEIVED
MSc_GAS	CREATED
MSc_REMENA	SEMESTER ABROAD
MSc_REM	NO ENROLLEES
ماجستير المواد المتقدمة مس	NOT RECEIVED
ماجستير المواد المتقدمة مس	NOT RECEIVED
ماجستير أمان النقل	CREATED
ماجستير مهني الإلكترونيات واد	NOT RECEIVED
دبلوم هندسة إنتاج الغاز	NOT RECEIVED
دبلوم مهني المساحة	NOT RECEIVED
دبلوم الطاقة المتجددة	NOT RECEIVED
Dipl_MEP-CONTROL	CREATED
دبلوم الوقاية	NOT RECEIVED
دبلوم محطات القوى	NOT RECEIVED



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❑ B- QAAU PUBLICATIONS : STUDENTS' FLYER & INSTRUCTORS BOOKLET

26

FORMER SAMPLE OF STUDENTS FLYER

urveys.

ed institution
o offers and
international

tution would
e to continue
ie studies in

National and International Accreditations

CUFE departments & programs started the steps towards national and international accreditation:

uia
International Union of Architects

In 2017, the Department of Architecture was **unconditionally revalidated for 5 years** by the **UIA**.

In 2016, the **AET Program** was **validated for 3 years**.

NAQAAE
National Authority for Quality Assurance and Accreditation of Education

On the National Level, CUFE sought the recognition of the National Authority for Quality Assurance and Accreditation of Education.

CUFE fully was accredited by NAQAAE for 5 years starting 2016

CURRENT INSTRUCTORS BOOKLET

الفهرس

1 مقدمة.....

2 1. توصيف البرنامج.....

3 أ. مواصفات البرنامج.....

4 ب. توصيف مقررات البرنامج.....

5 2. مخرجات التعلم المستهدفة للبرنامج PLOS.....

6 3. مخرجات التعلم المستهدفة للتقارير ILOS.....

7 4. الاستراتيجيات واستمارات التقييم المختلفة.....

8 5. ملف المقرر.....

9 6. تقرير البرنامج PROGRAM REPORT.....

10 7. التطوير المستمر.....

11 8. أولاً: عضو هيئة التدريس.....

12 9. ثانياً: ميسر البرنامج ورئيس القسم.....

13 10. ثالثاً: مجلس القسم.....

14 10. رابعاً: وحدة ضمان الجودة بالكلية.....

15 11. خامساً: وحدة تكنولوجيا المعلومات IT UNIT.....

16 11. سادساً: إدارة الكلية.....

17 12. سابعا: مجلس الكلية.....

18 12. الملخص.....

19 14. المراجع.....

20 15. مرفق 1- (PROGRAM SPECIFICATION).....

21 19. مرفق 2- (COURSE SPECIFICATIONS).....

22 21. مرفق ب 1-.....

23 22. مرفق ب 2-.....

24 23. مرفق ب 3- (PROGRAM EXIT SURVEY).....

25 25. مرفق ب 4- (STAFF SURVEY).....

26 27. مرفق ب 5- (EMPLOYERS SURVEY).....

27 28. مرفق ج- 1 (COURSE FILE CHECKLIST).....

28 29. مرفق ج- 2 (COURSE REPORT).....

29 32. مرفق ج- 3 (FINAL EXAM TEMPLATE).....

30 33. مرفق د- 1.....

ارشادات لضمان الجودة

Guidelines for Quality Assurance

QF
QUALITY FIRST
Cairo University
Faculty of Engineering
Quality Assurance and Accreditation Unit

"كلية الهندسة، جامعة القاهرة رائدة في التعليم الهندسي بجمهورية مصر العربية ومحيطها الإقليمي"



ONLINE A5 [MAIN + APPENDIX ED.]



CUFE-QAAU 2018

❑ C- NEW SELF APPRAISAL FOR PROGRAMS

2c

 <p>Cairo University</p>	Program Self Study Report Template Academic Year 2017/2018 Cairo University-Faculty of Engineering						
	UG 2-SEMESTERS	<input type="checkbox"/>	UG CHS	<input type="checkbox"/>		PG CHS	<input type="checkbox"/>

A COMMITTEE (among which is the QAAU CHAMP) SHOULD BE FORMED BY PROGRAMS HEADS TO COMPILE THE PROGRAM SSR.

First: Technical Report

(A) Basic Data

- 1- Program Title
- 2- Program Type (Single – Double - Multiple)
- 3- The responsible scientific Department(s)
- 4- Number of Credit hours (Theoretical – Practical – Training)
- 5- Number of course (Mandatory – Optional)
- 6- Program Coordinator
- 7- Faculty General Coordinator for Programs
- 8- Examiners Committee's Forming principles
- 9- External -Examiners System (Available – unavailable)
- 10- Program Opening Ministry Decree No. -----

Date-----

References:.

ABET. Self-Study Report+

نموذج الدراسة الذاتية
إصدار-لبرنامج أكاديمي جديد
- النموذج تصميم وحدة 4/2018
إدارة مشروعات تطوير التعليم
العالي لمتابعة وتقييم البرامج
الجديدة.



□ D- EVALUATION SHEETS & EXIT SURVEY SPRING PROCEDURES & COORDINATION WITH IT UNIT FEEDBACK

2d



CUFQAAU 2018



❑ E- NEW NARS 2018 & EFFECT ON CUFE- WORKSHOP TO BE DECIDED

2e



NEW NARS 2018 WHY- WHAT & HOW...

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CHS-ALT Series - Coordinator

QAA Unit Head

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NAQAAE 5th International Conference:
"Quality Assurance of Education:
Reflections ... Prospects ... Aspirations"



QUALITY ASSURANCE OF EDUCATION: REFLECTIONS ... PROSPECTS ... ASPIRATIONS NEW NARS 2018- OUT-LINE



WHY CHANGE OLD NARS

1



WHAT IS THE NEW NARS ALL
ABOUT- **COMPETENCY-BASED**

2



HOW SHOULD I APPLY &
BENEFIT FROM THIS

3



CUFE-QAAU-NARS 2018

Prof. Dr. Sherine WAHBA



- SUM UP OF NAQAAE WORKSHOP ON SAT.21ST APRIL- PRESENCE OF CUFE
- WORKSHOP NEXT QAAU MEETING ON MONDAY 28TH MAY, 9am-11am FOR CHAMPIONS.
- WORKSHOP IN SEPTEMBER TO ALL COURSES INSTRUCTORS IN FACULTY CLUB
- ANY OTHER SUGGESTION: ANIMATED PPT. TO BE PRESENTED BY CHAMPIONS IN DEPARTMENT BOARD MEETINGS.

CUFE-QAAU 2018



□ F- “DESIGNING BLUEPRINTS OF COURSES, EXAMS AND TESTS” DR. FOUAD KHALAF

2f



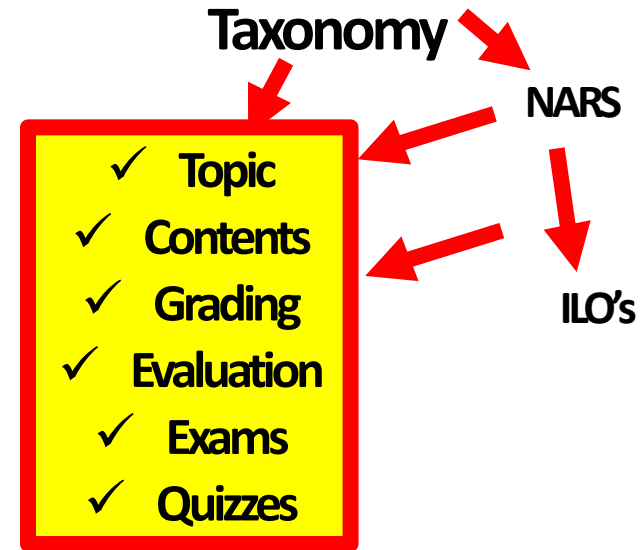
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Applying **Blooms Taxonomy** Concepts to the Design of **Learning-Blueprints**

- Objective

1. Tying **course outcomes, exam & grading material** to **Bloom's Taxonomy (BT)**, through **NARS** and **ILO's** within a TQ approach.



2. Extending the concept to all types of learning

Contents of This Presentation

- ✓ Relationship: BT, NARS, ILO's
- ✓ Useful Verbs for Taxonomies
- ✓ An Example of Application

- Education
- All Types
 - ✓ Short
 - ✓ Long

Training

Definition of "blueprint"

Meriam Webster Dictionary

1. A print in white on a bright blue ground
2. A print in blue on a white ground
- Used in mechanical drawings, and architects' plans
3. Something used as a model or providing guidance; a detailed plan or program of action

First use of BLUEPRINT IN 1857

Synonyms

design, game, game plan, master plan, project, scheme, strategy, roadmap, a matrix (*tabular*)

The Three Learning Domains of Bloom's Taxonomy 1949, 1953, 1956, 1964, 2001



1. Cognitive (6)

- ☐ - Remembering
- ☐ - Understanding
- ☐ - Applying
- ☐ - Analyzing
- ☐ - Evaluating
- ☐ - Improving



2. Emotional (5)

Attitudinal

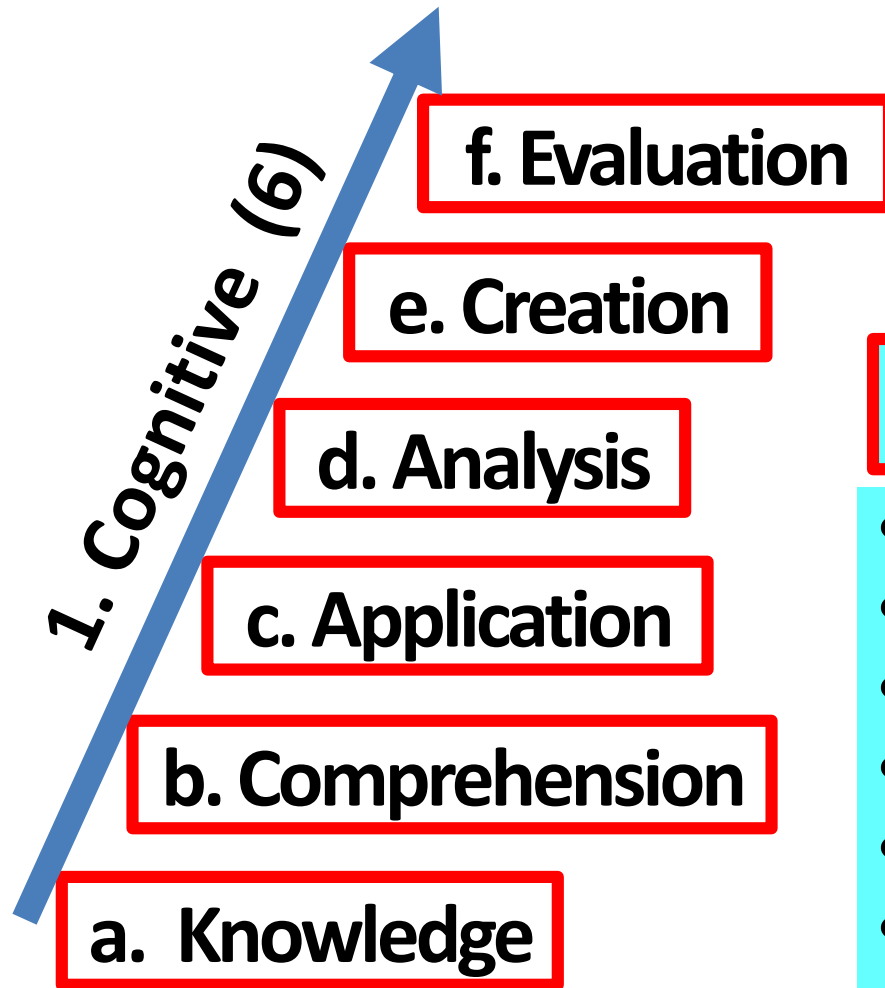


3. Sensory (7)



[After Benjamin Bloom](#), chaired the committee that devised the taxonomy (1949-1953)

The Three Domains of Bloom's Taxonomy



2. Emotional (5)

- Receiving
- Responding
- Valuing
- Organizing
- Trying to build

Attitudinal

3. Sensory (7)

- Perceiving
- Readiness to act
- Guiding Response
- Acquiring Mechanisms
- Producing Complex acts
- Adapting to Situations
- Originating patterns

The skills of cognitive domain are

- **the primary focus of most education fields**
- **frequently used define ILO & assessments.**

Other Derivatives of BT

KSA: K (knowledge) S (skills) A (attitude)

- **Knowledge & Understanding**
- **Intellectual Skills**
- **Practical & Professional Skills**

NARS

ARS

ILO's

Some ABET Criteria

Commitment to professional ethics

Ability to

- **apply knowledge**
- **design and conduct ...**
- **analyze and interpret ...**
- **design system ... to meet desired needs**
- **function on multidisciplinary teams**
- **identify, formulate, solve problems**
- **communicate effectively**
- **understand the global impact of engineering solutions**
- **engage in life-long learning**
- **use modern engineering tools**

Generic Engineering NARS

- Identify, formulate, and solve ... problems
- Develop and conduct experimentation ...
- Apply engineering design ... to systems and ...
- Utilize contemporary technologies, codes of practice and standards, quality and HSE guidelines
- Practice research and methods of investigation
- Plan, supervise and monitor... projects.
- Function efficiently in multidisciplinary teams
- Communicate effectively – graphically, verbally ...
- Use creative, innovative and flexible thinking
- Acquire new knowledge; and practice self learning
- Analyze and interpret data, and evaluate findings
- ++++ some 3-5 specifics for each specialty.

Cognitive Blooms's Taxonomy (CBT)

For Education & Teaching Programs

Understanding

1.

Knowled..

2.

Comprehe...

3.

Application

4.

Analysis

5.

Creation

6.

Evaluation

7.

Attitude

General for
Learning

For General
Disciplines

Specific

NARS

NARS

NARS

NARS

Broad Measures To Test Achievement of CBT

For Courses (or Components of Programs)

ILO ILO ILO ILO ILO ILO ILO

- Specific Criteria To Realize NARS
- Guidelines for **Course Contents and Grading Activities**

How It Works?

1. Knowledge	2. Comprehension	3. Application	4. Analysis	5. Creation	6. Evaluation	7. Attitude
--------------	------------------	----------------	-------------	-------------	---------------	-------------

7

One or two NARS' per one Taxonomy

~10

10-15

One Particular ILO per NARS

Topic
Content
Grading
Activities
Assignments

Define
Compare
Apply
Analyze
Change
Appraise
Accept

Verbs
▪ initiate
thinking
▪ direct
to NARS

Programs. Disciplines

For Smaller Units

Verbs to initiate/direct thinking towards taxonomies

1. Knowledge	2. Comprehension	3. Application	4. Analysis	5. Creation	6. Evaluation	7. Attitude
One or two NARS per Taxonomy						
One Particular ILO per NARS						
<i>Guide verbs to tie the design to the objective</i>						
Define	Compare	Apply	Analyze	Modify	Appraise	Accept
Describe	Distinguish	Change	Categorize	Combine	Assess	Adopt
Discover	Exemplify	Classify	Compare	Design	Check	Advocate
Identify	Explain	Complete	Conclude	Explore	Consider	Appreciate
List	Generalize	Construct	Contrast	Imagine	Criticize	Challenge
Locate	Illustrate	Defend	Differentiate	Improve	Decide	Defend
Name	Infer	Draw	Examine	Invent	Evaluate	Dispute
Recite	Interpret	Guess	Explain	Modify	Judge	Endorse
Recognize	Paraphrase	Make	Infer	Predict	Rate	Persuade
State		Match	Investigate	Propose	Recommend	Question
Tell		Prepare	Separate	Rearrange	Score	Reflect
Write		Solve	Show	Substitute	Select	Support

How I Works?

Step A: Start with

The Seven Taxonomies

Knowledge

Compre-hension

Application

Analysis

Creation

Evaluation

**Attitude
(keyword:
Change)**

Steps B: Place NARS' & ILOS **under their taxonomies**

B

NARS numbers	a, b, , d, e, f, g, h, ...
ILO numbers in the list	a.1, ..., b.1, ..., c1, ..., d1..., e1..., f1...

Steps C: List Course Contents & Define Weights

Introduction	5
Plagiarism	5
Thesis/Topic Statement	15
Paragraphs WTB/WTD	15
Paragraph Types	5
Effective Sentences	10
Sentence Errors	5
Special Parts (I B C)	10
Abstract Types	10
Outlining	5
Organizing	5
The Scientific Article	10
TOTAL	100

**Weight = f (time,
NARS, ILO,
importance, level,
priorities, ...,
teacher, students,
interest, local
factors,
urgency...)**

An Example of Application (Gen 600 – M. Sc. Course)

NARS numbers		a, b, , d, e, f, g, h, ...						
ILO numbers in the list		a.1, ..., b.1, ..., c1, ..., d1..., e1..., f1...						
Content (MCQ, midterm, Quizzes), Q's one-by-one of End-of-Term Exam.	Weight	Knowledge	Compre- hension	Application	Analysis	Creation	Evaluation	Attitude (keyword: Change)

A

B

Step D: Distribute points among ILO's, consider bonus

D

Introduction	5	← 3	2					
Plagiarism	5	← x	X	3	2	X		x
Thesis/Topic Statement	15	← 2	2	4	3	3	X	1
Paragraphs WTB...	15	← 2	2	2	3	3	2	1
Paragraph Types	5	← x	x	X	2		3	X
Effective Sentences	10	← x	2	3	2	2		1
Sentence Errors	5	← 2	X	X		3		X
Special Parts (I B C,	10	← x	X	3	X	3	3	1
Abstract Types	10	← x	3	X	3	3		1
Outlining	5	← x	X	X	X	5		X
Organizing	5	← x	X	X	2		3	X
The Scientific Article	10	← x	X	2	2	2	3	1
TOTAL	100	← 9	11	17	19	24	14	6

C

An Example of Application (Gen 600 – M. Sc. Course)

Content (MCQ, midterm, Quizzes), Q's one-by-one of End-of-Term Exam.		Points/Weight/Time	Knowledge	Comprehension	Application	Analysis	Creation	Evaluation	Attitude (keyword: Change)
NARS numbers			a, b, , d, e, f, g, h, ...						B
ILO numbers in the list		Weight = f (time, NARS, ILO, ...)	a.1, ..., b.1, ..., c1, ..., d1..., e1..., f						
Introduction	5		3	2					
Plagiarism	5		x	X	3	2	X		x
Thesis/Topic Statement	15		2	2	4	3	3	X	1
Paragraphs WTB...	15		2	2	2	3	3	2	1
Paragraph Types	5		x	x	X	2		3	X
Effective Sentences	10		x	2	3	2	2		1
Sentence Errors	5		2	X	X		3		X
Special Parts (I B C)	10		x	X	3	X	3	3	1
Abstract Types	10		x	3	X	3	3		1
Outlining	5		x	X	X	X	5		D
Organizing	5		x	X	X	2		3	
The Scientific Article	10		x	X	2	2	2	3	
TOTAL	100		9	11	17	19	24	14	6

X: can represent a grade or a % **A**

Sequence: ABCD, ABDC, CDAB, ...

Applications: To plan, to compare, to evaluate, or to improve, or to change, to follow up, ...

Taxonomy, NARS and ILO's Integrate Quality into the Learning Process

Planning/Designing

- Having NARS → content
- Having ILO's → fine tune material
- Having ILO's → design exams

Plan

Do

Evaluating

- Evaluating coverage of ILOs

Check

Improving

- Improving material to reflect changes in ILO's
- Comparing materials based on coverage of ILOs

Improve

The word “**material**” can be a course, a text, an exam, an assignment, a project, a presentation, an exercise,...

For Quality



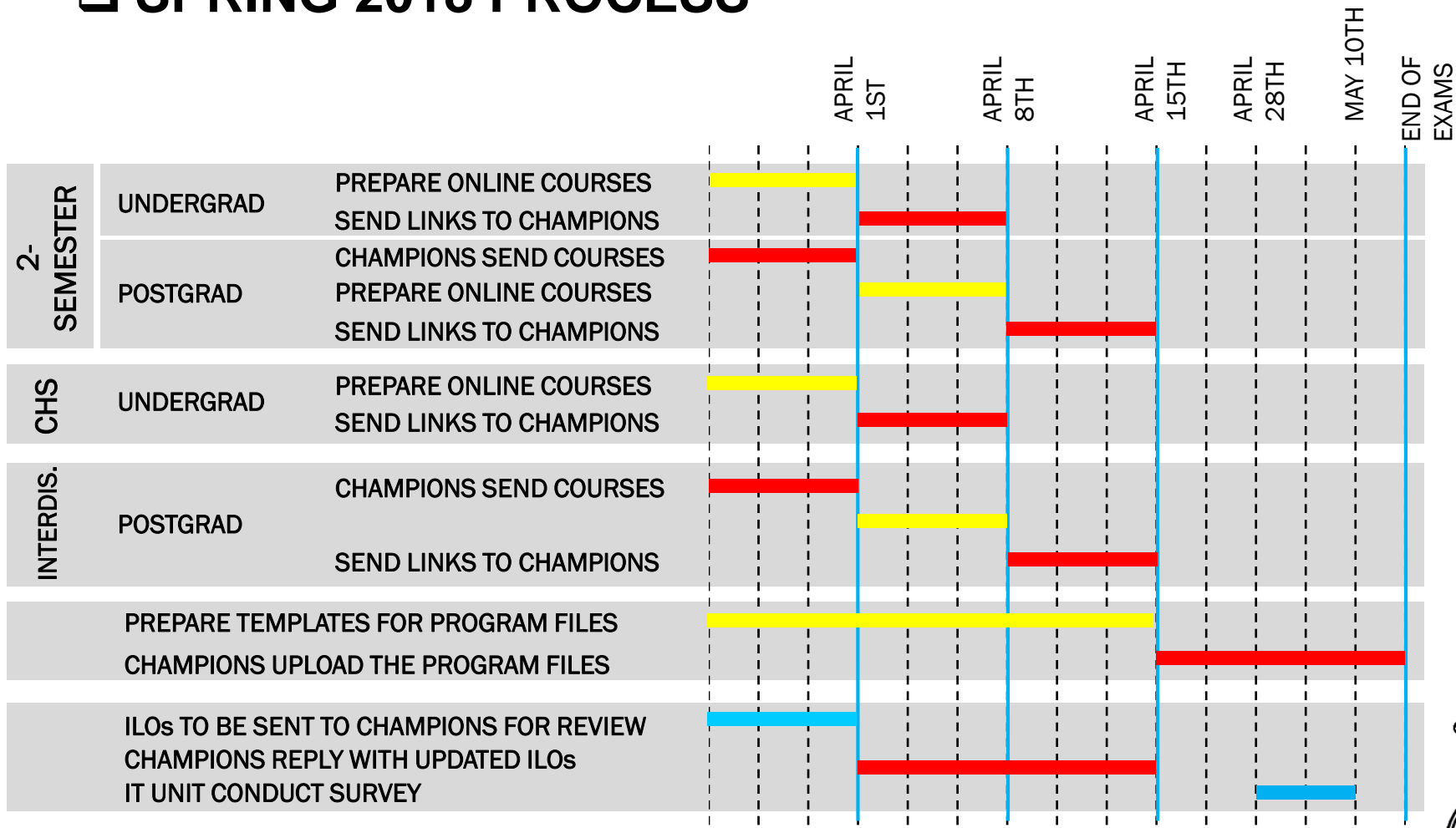
Teaching. Apply

Taxonomies!

3

**QAAU 2018
CONCLUSIVE QAAU TASKS FOR END OF
SPRING SEMESTER 2018**

□ SPRING 2018 PROCESS



■ CHAMPIONS RESPONSIBILITY
■ QAAU RESPONSIBILITY
■ IT UNIT RESPONSIBILITY



Cairo University



CUF-QAAU 2018



TASK

Responsibility

Deadline

FALL 2017 FULL
DOCUMENTATION OF
COURSE FILES /
DIGITAL COPY



- INSTRUCTORS
- CHAMPIONS
- DEPARTMENT HEADS
- PROGRAM COORDINATORS



MAY 1ST
DEADLINE
CHECK STATUS
MAY 8TH

SPRING 2018 FULL
STATUS



- QAAU REVIEW &
FOLLOW UP



AFTER EXAMS

PROGRAM SSR
V.IMP.



QAAU CHAMPIONS
& HEAD OF
PROGRAMS



- REVIEW OF TEMPLATE
BY CHAMPS
- AFTER EXAMS



QAAU TASKS

STUDENTS FLYER



**ONE WEEK REVIEW BY
CHAMPIONS**

INSTRUCTORS
BOOKLET



**PRINTING MAY 12TH to
be presented in
FBM-MAY 15th**

**NAQAAE- ABET
ACCREDITATION**

REVIEW OF LEGIBLE
PROGRAMS



**COURSE FILES &
PROGRAM SSR
STATUS**

**Thank
You**

QAAU 2018
QAAU FUTURE PROCESSES

- NEW NARS2018 WORKSHOP
- CUFEE STRATEGIC PLAN 2015-2020

NEXT QAAU MEETING 5: MONDAY MAY 28TH