

EPC

Bologna Compatibility Update

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PHEE 090108



The EPC International Agenda

Key Issues	Strategic Goals	Identify key stakeholders	Identify key issues	Identify best practice	Identify key sources of information	respond to papers from government and other inform members	run a keynote event 2008	
Bologna CN-S (2 yrs)		√√	√√	√	√√	√√	√X	XX
Identify members interests BGC (1 yr)			XX	XX	XX		XX	XX
Equivalency of qualifications BGC (2 yrs)		√X	√X		√√		XX	XX
Recognition of Professional qualifications ST/JB (2 yrs)		√√	√√	√X	√√	√	√X	√X
ECTS IW (2yrs)		√X	√√	√X	√√	√	√X	XX
Provision of high quality PGR and PGT and support WB/AS (5 yrs)		XX	XX	XX	XX		XX	XX
High quality postgraduate experience WB/AS (5yrs)		XX	XX	XX	XX		XX	XX





Heinrich the German – Bologna 1380 after Voltolino

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Bologna Update

- Bologna first university in world
 - Teaching from 10th Century
 - Recognised as a University in 1088
 - Students determined curriculum
 - Majored in LAW
- University of Paris
 - Recognised as a University in 1150
 - Faculty (Church) determined curriculum
 - Majored in Theology!
 - Modern model until mid 19th Century!!!



Bologna Update

- The implications of a three-phase structure of higher education awards for one-year Masters
- The implementation of the European Credit Transfer System (ECTS) and a focus on learning outcomes and competencies
- Qualification Frameworks in HE the compatibility of UK proposals and Bologna



Bologna Update

- **1988 Magna Charta Universitatum**
 - 900th Anniversary of the University of Bologna
- 1998 Sorbonne Declaration - France, Italy, Germany & UK
 - UK signed up without understanding consequences!
- **1999 Bologna – 29 Nation States** - Reaffirmed Sorbonne
- 2001 Prague - Reaffirmed Bologna
- 2003 Berlin - Two cycle degree process
 - Recognition of degree and periods of study (ECTS)
- 2005 Bergen - Third cycle of degrees (PhD ONLY)
 - Integration of EHEA & ERA
- **2007 London**
 - **Engage with Bologna follow Imperial's lead – Bill Rammell**
- 2009 BENELUX



Bologna Update

- **LEST WE FORGET**
- Bologna originally a transparency exercise to promote mobility
- Morphed (highjacked by EC - “the instrument of Lisbon”) into an apparent quasi qualification framework
- **NOT TRUE**
 - No overarching Bologna framework
 - **Need COMPATIBILITY with Bologna not COMPLIANCE**
 - More later



Bologna Update

- First Cycle “Mobility Degree” - 180 ECTS (3 years)
- Second Cycle - 90-120 ECTS (2 years)
 - 60 absolute minimum (one year) - UK Fix
- MEng only **BOLOGNA COMPATIBLE** at “**MINIMUM**” level - many unhappy with this - seen a “lightweight”
- MEng an “Integrated Masters Degree” NOT an “Undergraduate Masters Degree”
- Third Cycle
 - 3+2+3
 - NOT 3+3 - neither Europe or US like this
 - Particularly important for the sciences



Bologna Update

European Credit Transfer System (ECTS)

- 60 credits = one full time academic year
 - 40 weeks study
 - Is a legal requirement in some EU Countries
- A “time served” measure
- Becoming “volume” measure of LO’s
- Changing to output standards and “Levels” by linking to “Dublin Descriptors” (Copenhagen)
 - Dublin Descriptors are levels of attainment after First, Second and Third Cycles.



Bologna Update

- Europe teach(?) 40 weeks at 40 hrs/wk
 - 1600 hours = 60 ECTS
 - Defined by Law in Germany!!!
 - 1 ECTS = 27 hours of study
 - Range 15 – 27 (Bulgaria 15!)
 - Who do we want to be seen equivalent to?
 - 75 max ECTS in one calendar year
 - Still being debated
 - Meta Framework? (the hope!)



Bologna Update

- England – currently no agreed credit framework
- Moving to CATS (Post Burgess Group) in Spring 2008
 - 1200 hours = 120 CATS
 - Many HEI's using 1 ECTS = 2 CATS
 - NOT TECHNICALLY CORRECT!!!!



Bologna Update

- Imperial Solution (see IET website)
 - Student workload 47 hrs/wk !!!!!
 - $30 \times 47 = 1410$ hrs
 - 1 ECTS = 25 hours (???)
 - 1 Academic year = 56 ~ 60 ECTS
 - Plus add in 15 extra work based ECTS in 3rd and 4th year
- Will Europe believe it??
- Could anyone else do it??



Bologna Update

- **Position of One Year Masters Degrees**
- Many EU States run a variety of Masters degrees dependent on end use
- 1, 1.5, 2 years Masters available
- France M1 and M2
 - General entry to M1 (Certificate)
 - Competitive entry to M2
 - Grand Ecoles only offer M2
- Jury out as yet – wait and see
- UK could follow France
 - MEng/MSc = M1
 - Mphil = M2
- **Professional MSc's - EC^{UK}**



Bologna Update

We are confusing objectives!

- Bologna is a mainstream academic process
 - Applicable to all fields of study, research orientated at upper levels
- Problem areas are
 - **medicine and related fields, engineering, architecture and law**
 - **THESE ARE ALL PROFESSIONS**
- **Medicine & related Fields and Architecture are “Regulated Professions” under European Council Directive 2005/36/EC**
 - **Engineering, Law plus many other professions are NOT COVERED by the Directive**
- **Therefore the fundamental conflict is between Non Regulated Professional Accreditation and Bologna**



Bologna Update

- Play the “Professional Exemption” Card
 - Law will, why shouldn’t we?
- **Define MEng as a “Professional” Masters Degree**
 - International Professional accreditation is much more mature than Bologna
 - Partial precedent “professional doctorates” EngD etc. now entering Bologna arena as Third Cycle Degrees
- Downside MEng’s may need enhancement to register for PhD’s
- EC^{UK} Work Based MSc’s



Bologna Update

- Compliance or Compatibility??
 - Bologna not a compliance framework (yet!)
 - **NEED BOLOGNA COMPATIBILITY**
- **Need COMPLIANCE to Frameworks for HE**
 - FHEQ being revised in 2007/8
 - No “revolutionary changes”
 - “WE WILL” Self-Certify to Bologna in 2008
 - EHEQF being defined in 2008
 - Likely to map onto Bologna
- **2008 IMPORTANT YEAR**
 - Get involved!



Bologna Update

FHEQ (EWNI)		FQ-EHEA (Bologna)	England Current NQF Planned QCF	Scotland (SCQF)	Wales (CQFW)	EQF (Copenhagen)
Current	Burgess outcomes					
Doctoral (D)	8	3rd cycle	8	12	8	8
Masters (M)	7	2nd cycle	7	11	7	7
Honours (H)	6	1st cycle	6	10	6	6
Intermediate (I)	5	(short cycle	5	Not	5	5
Certificate (C)	4	within 1st cycle)	4	directly equivalent	4	4

Table to show the compatibility of qualification frameworks in Europe and UK

Bologna Update

- The EU is but one stakeholder in the Bologna process
- 47 countries across Europe have signed up to create an integrated European higher education area (EHEA).
- China, Latin America, Australia and Asian countries are now officially designated as “Bologna Observers” and attend all meetings.
- The US is now asking the questions
 - Adding one year to Bachelors for Engineering Accreditation
 - 5 year degree!!
- Ireland has now gone to 5 years for engineering accreditation
- **FORGET EUROPE THINK THE WORLD !!!**



Bologna Issues

**Thank you for listening
any questions.**

