



Global Standardization Program of MJIT, UTM and Osaka Univ.



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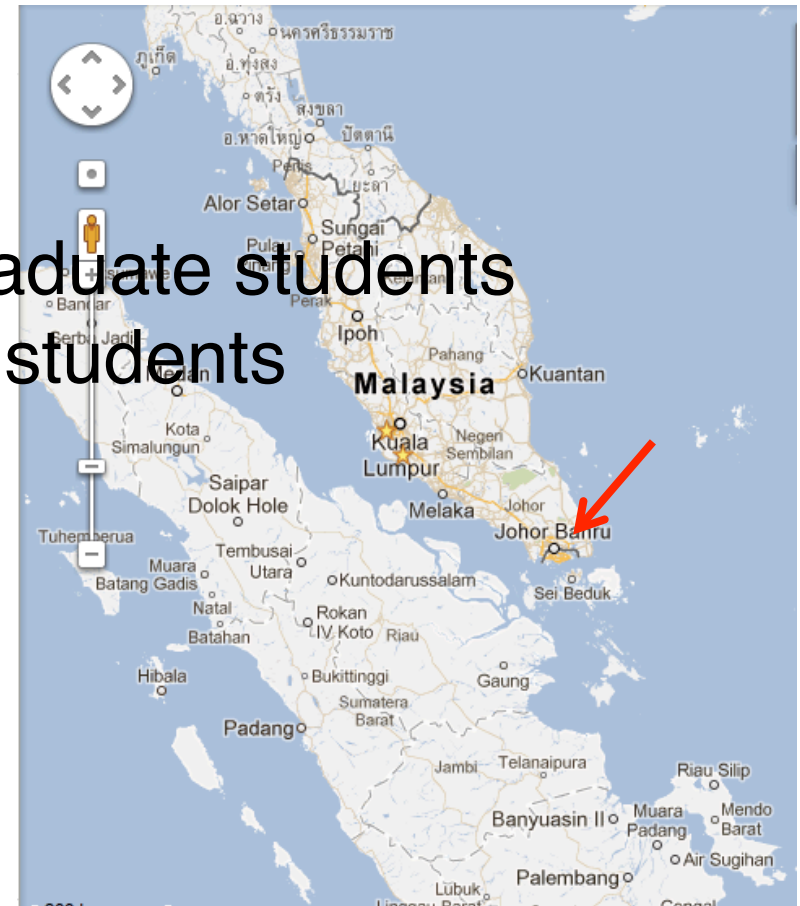


- **Introduction of UTM and MJIT**
- **Standardization Education Program in MJIT**
- **Standardization Education Program in Osaka Univ.**
 - Post Graduate Program for Advanced Interdisciplinary Studies Interdisciplinary R&E center
- **RoF standardization**
 - in IEC TC103/WG5 IEICE, ASTAP, APT

Introduction UTM



- **UTM: Universiti Teknologi Malaysia**
 - Since 1904, Technical School began its operation on Weld Road
- **Now in Sukudai, JB**
 - 17,000 full-time undergraduate students and 6,326 postgraduate students





Introduction of MJIT

- **MJIT: Malaysia Japan International Institute of Technology**
- **Established in Sep. 2011, under UTM**
- **Soft Loan from MOFA, Japan 6,697MYen**
- **Kuala Lumpur International Campus**
- **Staff: 70 staff incl. 10 Japanese academic staff**
- **JUC: 24 Univ. of Japan**





- **UG**
 - **ESE: Electric System Eng.**
 - **MPE: Machine Precise Eng.**
 - EGT: Environment and Green Tech.
- **PG**
 - ESE: Electric System Eng.
 - MPE: Machine Precise Eng.
 - EGT: Environment and Green Tech.
 - MOT: Management of Technology

**Proposed
Standardization
Education in
MJIT, UTM**



GS Action Group in MJIT

- **The GS Program will be architected as a multidisciplinary academic approach combining Management and Engineering education**
- **Form Global Standards Action Group consisting of faculty members:**
 - (1) Prof Rozhan, (2) Prof Igusa (3) Prof Zuriati, (4) Prof Manaf, (5) Dr. Sheikh, (6) Prof Megat, (7) Prof Komaki,
- **Form Associate Group of Action Group member consist of :**
 - Professor Osaka University, (2) Government officials of MOSTI, (3) Other experts pertaining GS



OBJECT

- **Standard setting is an essential part of technology development and economic activities.**
- **The availability of standards ensures safety of products, quality and reliability of products and interoperability of systems and components.**
- **Standards also can have strategic impact and create huge market potential and shifts in competitive approach.**
- **Microsoft's Windows, Google's Android, Bluetooth and DVD in consumer video recording all redefine competition**



Scope and Frameworks

- **The course will be offered as Sub Program for the PG Engineering students under MOT-MJIIT**
- **The special course of Global Standardization will be organized for MOT students as a major elective course (Mix Mode Program)**
- **The course will be organized with collaboration with Osaka University**
- **The course will be organized with collaboration with Dept. of Standard, MOSTI**
- **The certification of GS will be conferred by Osaka Univ. or MJIIT-UTM under the certain necessary conditions (Credit number, subjects, credit transfer, etc.)**
- **The Program will be conducted subject in later slide**

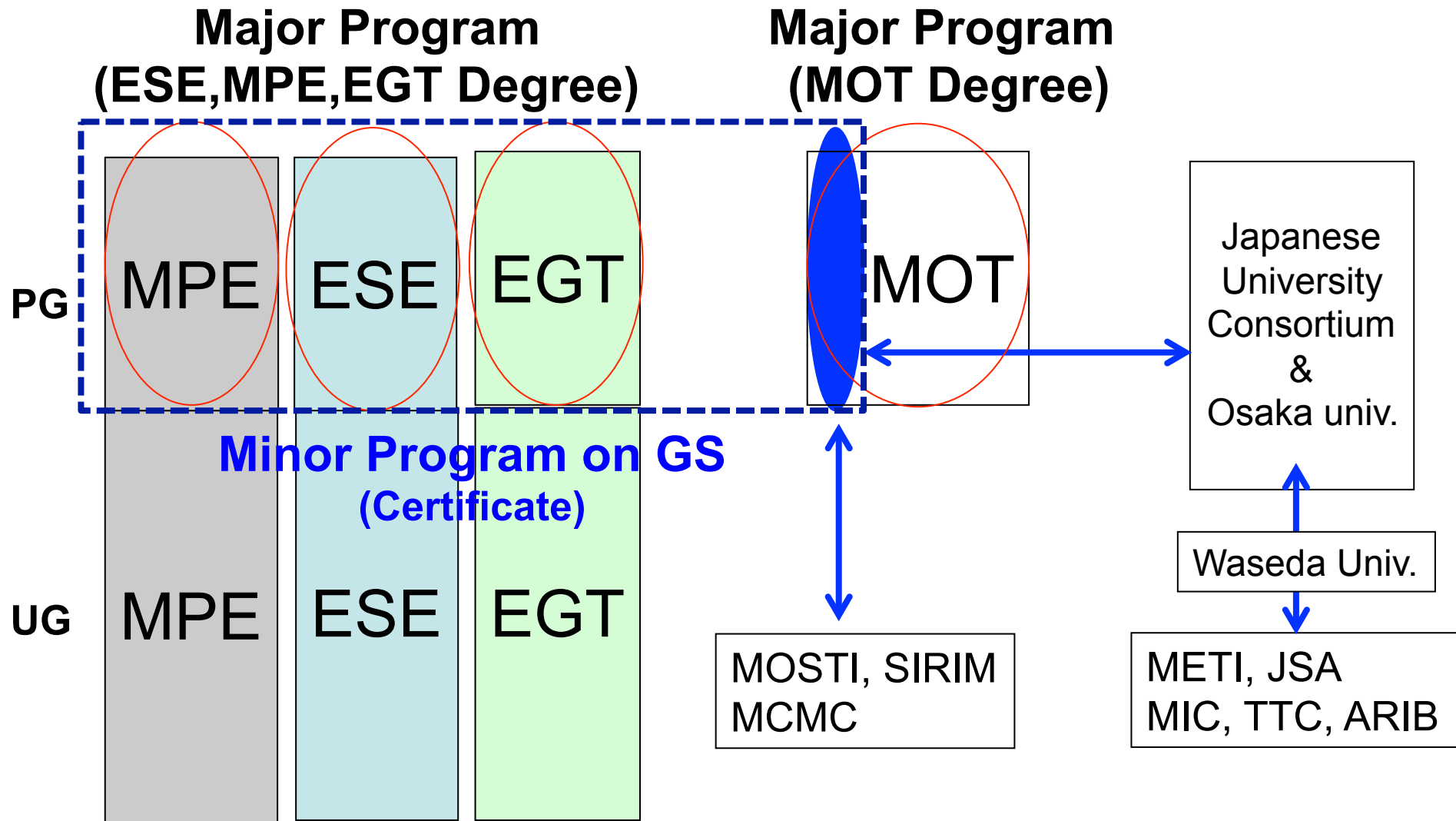


Outcome

- **Students that can work in R&D division of Global Industry with GS mind and Global inovative market creation**
- **Researching Staff that can research innovative items minded in the development of global market through GS**
- **Innovative university that can setup Intellectual Property Right and GS, and has certification ability of GS.**



Program Outline in MJIT



Course Outline

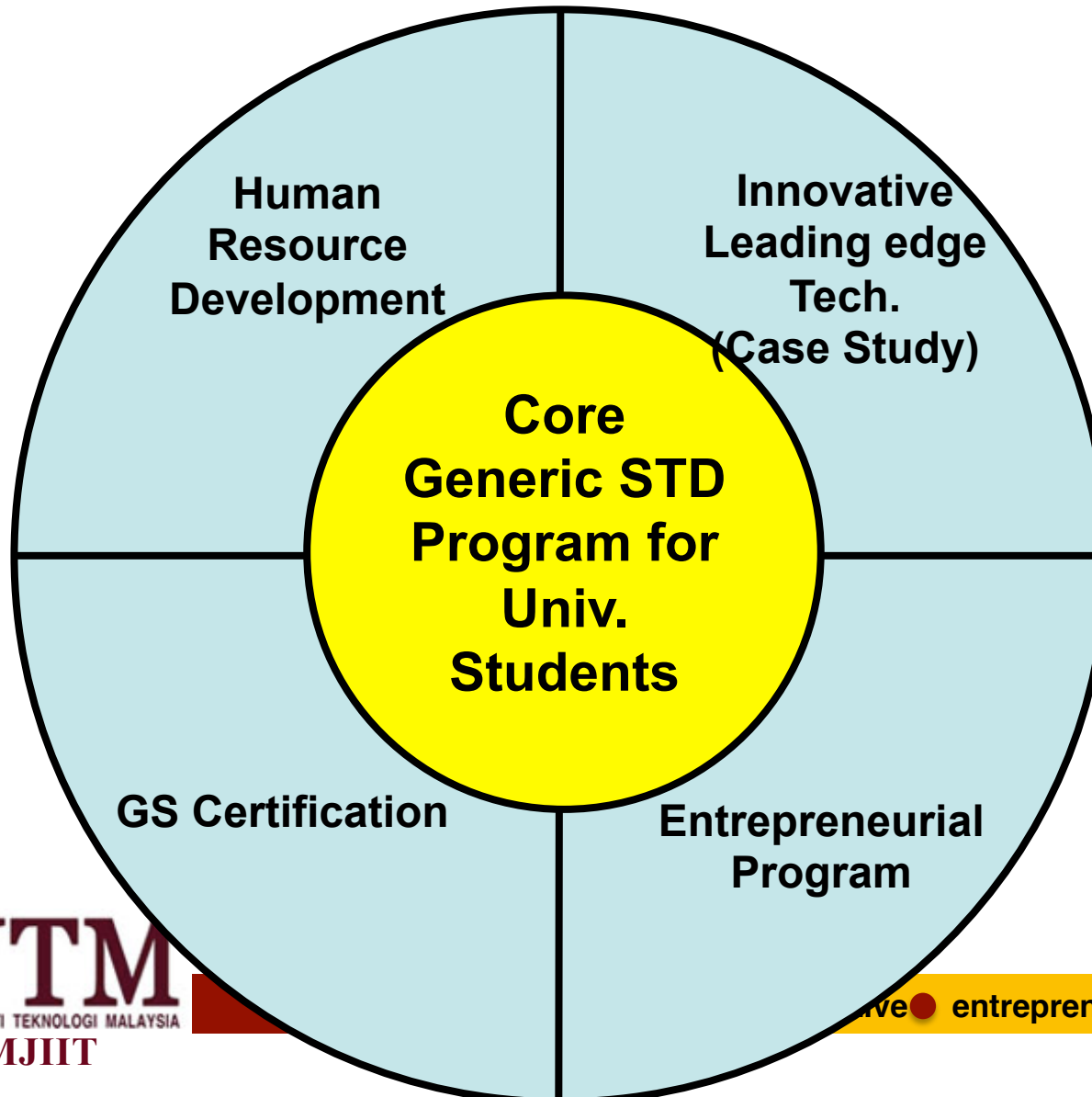


Course Name	Credit	MJIIT MOT(TMB)		Osaka Univ.		Waseda Univ.	
		Course Name	Semester	Course	Semester		Semester
Global Bussiness and Standardization	3			☑	Summer Seminer (3Days) Aug. 27-29		
Intellectual Property Right and Exercises	3+1.5	☑ Malaysian Business and Intellectual Property Law (3 credit hours)*		☑	Tuesday 8:50-10:20JST		
Project Exercise (Negotiation)	3	☑ Business Networking and Managing Alliances (3 credit hours)*		☑	Summer Seminer (3Days) Aug. xx-Sep.xx		
Global Standardization of Information and Communication Technology (ITU related matter)	3					☑	Wednesday (16:30-18:00JST) Sep.XX-Jan.xx supported by MIC
Global Standardization of Industry Activity (ISO/IEC matter)	3					☑	Wednesday (16:30-18:00JST) April xx-July xx supported by METI
Knowledge Valued Society	3			☑ Chika Shakai Ron	Wednesday (16:10-17:50JST) Sep.XX-Jan.xx		
Decision Making and Creative Problem Solving (1.5 credit hours)*		☑					
Managing the Innovation Process (3 credit hours)*		☑					

Minor Program Certificate from Osaka Univ. : more than 12 credits (equivalent 8 credits of Japan)

* MJIIT course name is tentative

GS Action and MOSTY Std. Division, MCMC



GS Education Program in Osaka-u

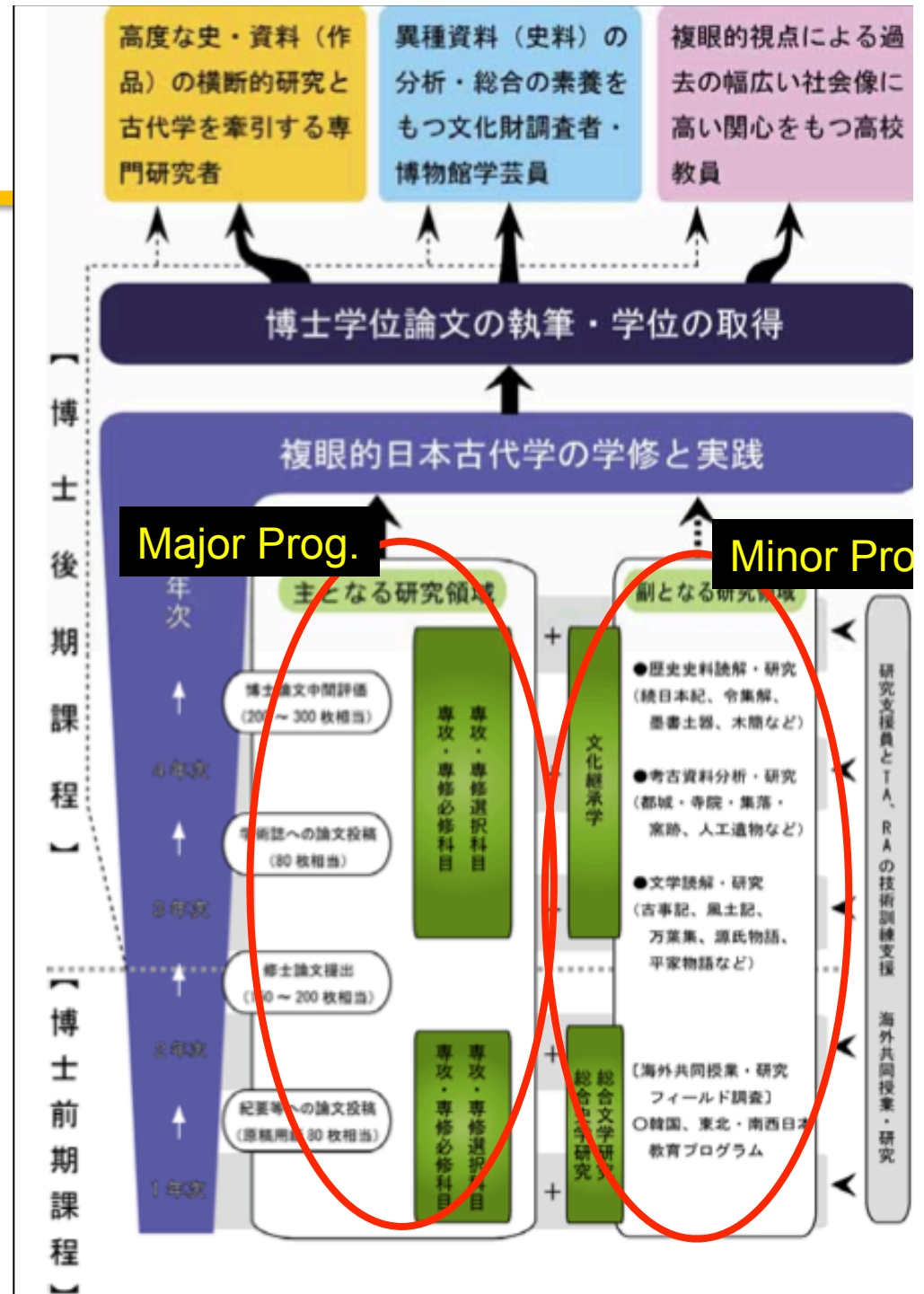
Education Program in Osaka Univ.

- **Interdisciplinary Research & Education Center, Osaka Univ.**
- **Minor Program : PG Certificate**
 - 42 Sub-Program
 - More than Japanese 8 credits (Equiv. 12units)
 - 3 Sub-Program
 - More than Japanese 30 credits (Equiv. 45 units)

FUKUGAN



Dragon Fly Eye Education in Interdisciplinary Research & Education Center





List of Minor Program

• Post Graduate Program for Advanced Interdisciplinary Studies at Interdisciplinary Research & Education center

- ERASMUS MUNDUS Contemporary Japan in the Global Context
- Introduction to Art Mediology - Theory and Practice
- Basic Program for Foster Innovation Leader
- Development of Problem-solving Capability in Health and Medical Fields for Graduate Students of Medical Sciences
- Educational Program for Advanced Medical Professions of Cancer Care
- Design for Town Planning and Development
- Education Program for International Welding Engineer
- Interdisciplinary Photon Science
- Optical Communications and Networks Engineering
- Career Design
- **Global Standardization**
- Quantum Engineering Design Course
- Cognitive Neuroscience Robotics
- Language Informatics : Theory and Practice
- Global Leadership Program
- IT Spiral
- Advanced and Practical Information Networking Specialist
- Combined Program on Microbiology and Immunology
- Intercultural Communication : Theory and Practice
- Division for Open Education of Graduate Students : Professional Program
- Division for Open Education of Graduate Students : Advanced Professional Program

- Communication-Design
- Graduate Program for Advanced Interdisciplinary Studies (Finance and Insurance)
- Global Coexistence
- Human Security and Development
- Legal Interpreting and Translation
- Issues and Research on Contemporary China
- UN Policy Expert Development Program
- Global Health Environment
- Medical Interpreting
- Sustainability Science
- Advanced Inter-/Multi-disciplinary Graduate-level Programs for Education, Research and Training in Nanoscience and Nanotechnology, Advanced Interdisciplinary Education for MSc Subprogram
- Advanced Inter-/Multi-disciplinary Graduate-level Programs for Education, Research and Training in Nanoscience and Nanotechnology, Advanced Refresher Program for PhD Working Students
- Advanced Inter-/Multi-disciplinary Graduate-level Programs for Education, Research and Training in Nanoscience and Nanotechnology, Advanced Interdisciplinary Research Training for PhD Subprogram
- Intellectual Property Law Expert Training



List of Courses (Elective)

- **International Business and Global Standardization**
- **Intellectual Property Right and Exercises**
- **Negotiation (Project Study)**
- **Global Standardization of Information and Communication Technology***
- **Global Standardization of Industry Activity***
- **Discipline of Information and Communications Science**

*: Online Remote Course of Waseda University

International Business and GS

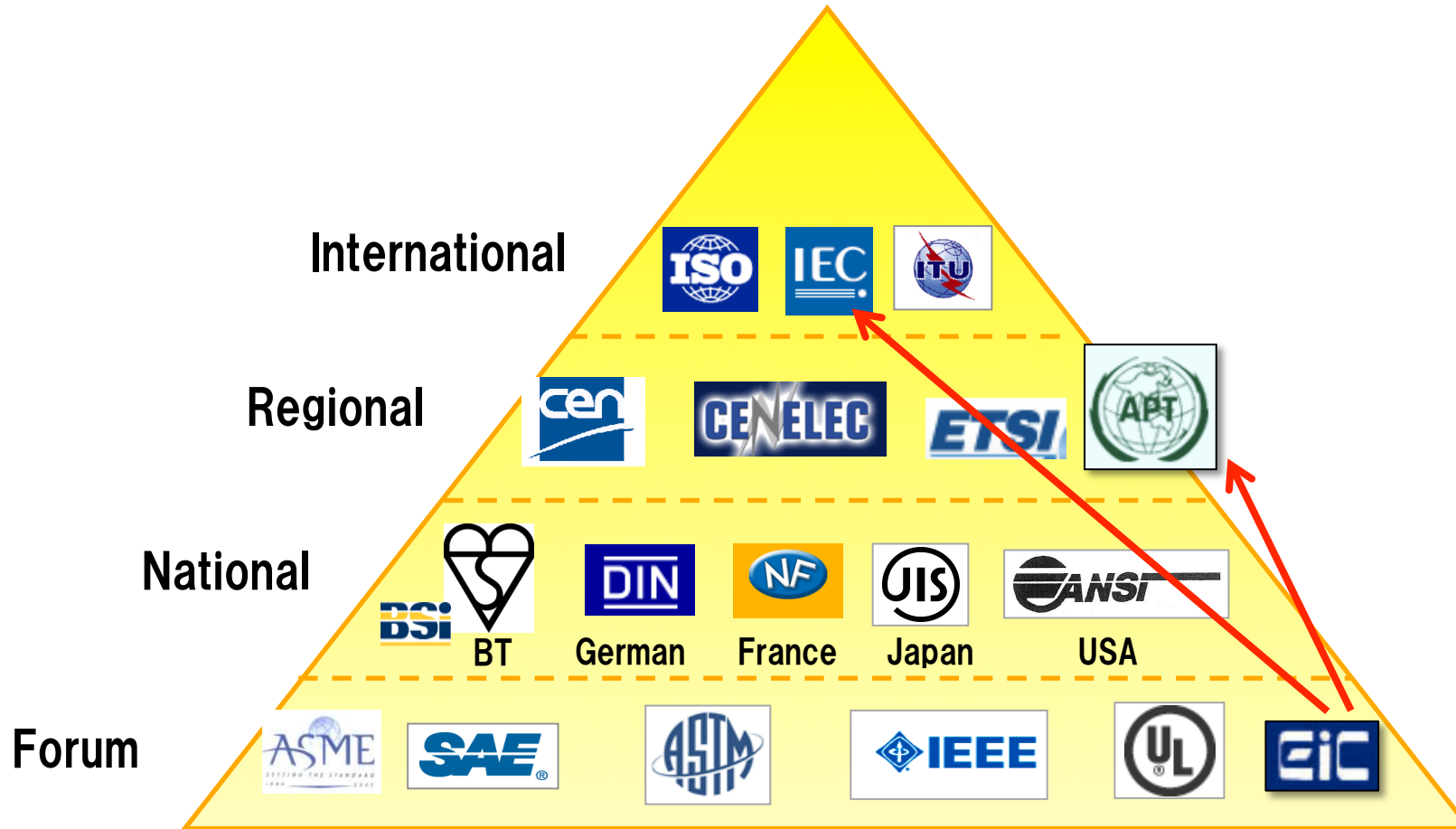


In this course, history and present status of the global standardization are lectured, and comprehend the role of global standardization, structures of the various standardizations and standardization bodies, and their relation to international business and enterprise. Also required human ability for standardization members. Recent standardization activities are introduced from experts. Discussion and debates are included in the course.

- (1) What is standards ?, Role of standardization**
- (2) Classification of standards, Standardization body and their feature.**
- (3) Relations among various standardization bodies.**
- (4) Enterprise business and standardizations, Intellectual Property Rights**
- (5) Required Talent for standardization members**
- (6) History and example of standards**
- (7) Examples of recent standardization activities**
- (8) Discussion and Debates**
- (9) Future prospect and paradigm shift of Global Standardization**

RoF system GS in IEC & ASTAP

Standardization Body



UTM
UNIVERSITI TEKNOLOGI MALAYSIA
MJIT

www.utm.my

innovative ● entrepreneurial ● global

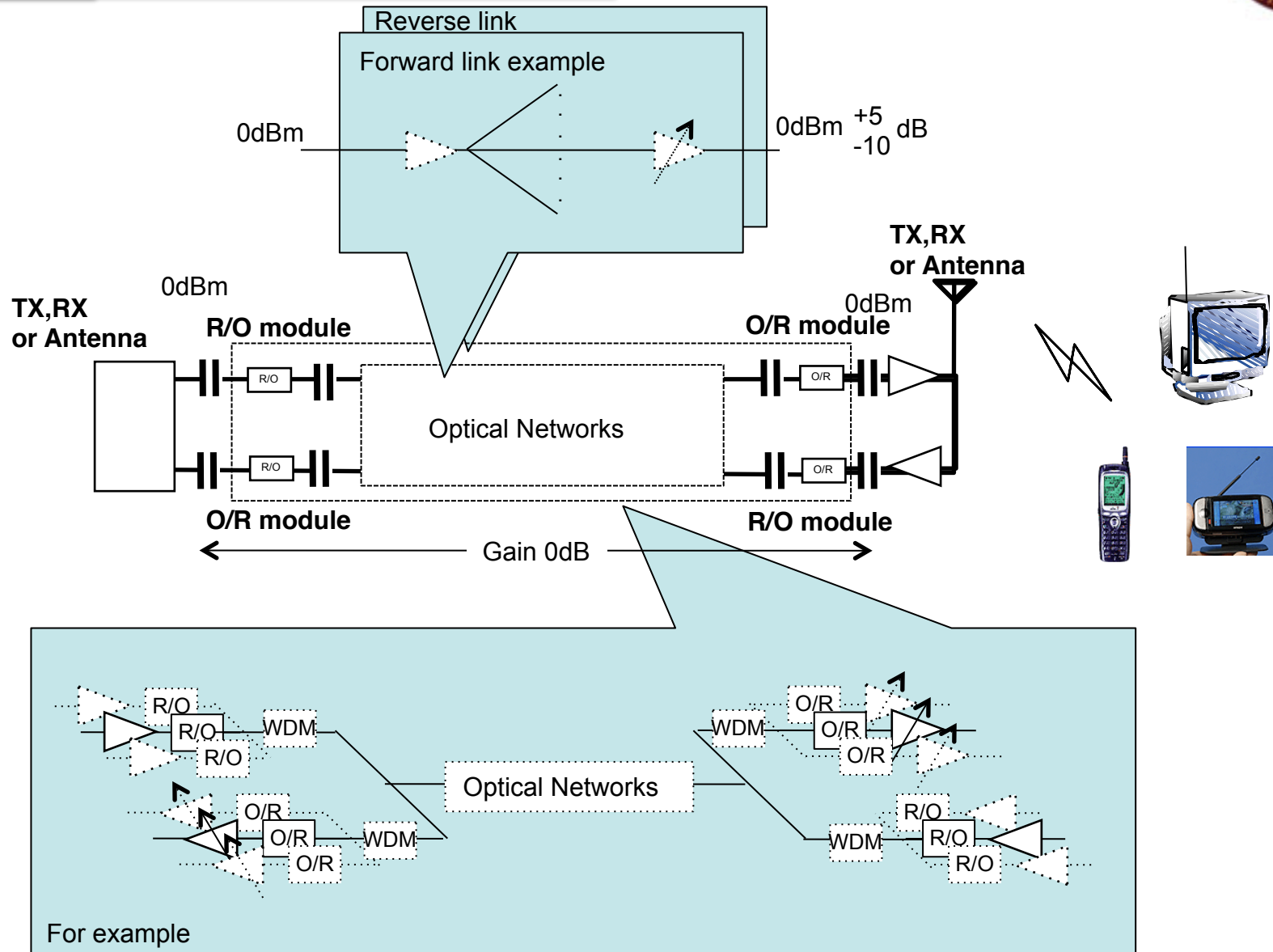
Schedule



	Annual Year 2005	Annual Year 2006	Annual Year 2007	Annual Year 2008	Annual Year 2009	Annual Year 2010	
Measurement Up to 10GHz (LN) National Round Robin Test	Preparation Feasibility Test	RR Test Measurement	Reworking				
International Round Robin Test		Preparation	RR Test Measurement	Reworking			
International Standard Proposal	Measurement Method Drafting	Drafting for Proposal			NP/PAS Proposal	Drafting Expert Formation	2011 NP 2012 Draft
Measurement Method More Than 10GHz				Drafting for Proposal RR Test	NP/PAS Proposal		
Photo Detector					Preparation	Drafting for Proposal	
Device for RoF System					Preparation	Drafting for Proposal	

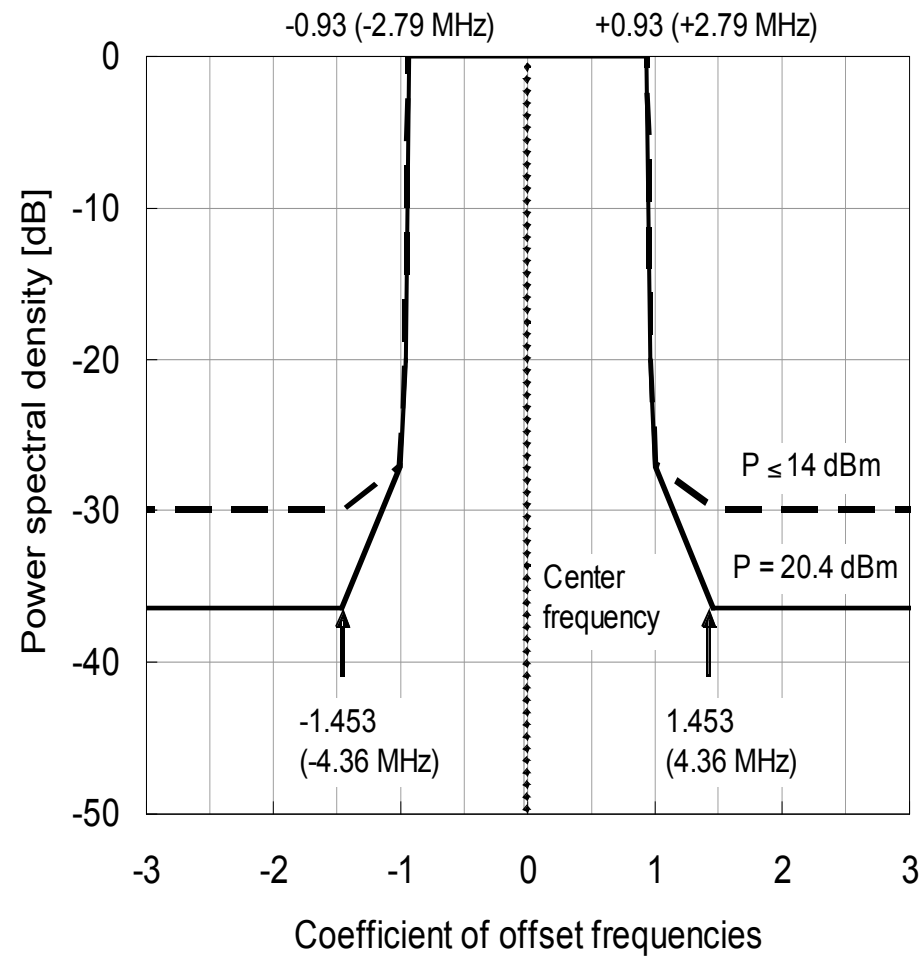


Reference model of RoF system





Low power spectrum mask



**Tak for din
opmærksomhed**