

To: 42477-3, 4, 5, SND-5, SY-1, SY-2 and SY-3 Students of the BSc in IMT Programme
From: Programme Leader, BSc in IMT
c.c.: Interim Head, EIE
BSc in IMT Programme Executive Group Members
Date: 24 Feb 2017

Dear Students,

Minor Changes to the BSc in IMT (42477/42477-SY) Programme

The Department has recently implemented a few minor changes to the BSc in IMT programme curriculum as a result of refocusing the programme to the studies in Information and Communication Technologies (ICT) with an emphasis on “integration”. These minor changes are highlighted below for your attention. You can refer to the attached document for more details about the rationales behind these minor changes to the BSc in IMT (42477/42477-SY) programme.

1. Deleting Electives from the Curriculum

Two EIE electives, “EIE3110 Research Methodology” and “EIE4414 Computer Architecture and Systems”, currently offered for the BSc in IMT programme, have been removed from the curriculum of the BSc in IMT programme as stated in Table 1 below. They either do not align closely with the new programme emphasis or are less popular among students (i.e. low subject enrolment).

Table 1: Deletion of technical electives from the BSc in IMT programme:

Subject Code	Subject Title	Credit	Category	
			Normal Year 1 Intake	Senior Year Intake
EIE3110	Research Methodology	3	ELE	ELE
EIE4414	Computer Architecture and Systems	3	ELE	ELE

The revisions will be effective from 2017/18 and onwards and applicable to all cohorts of intake to the BSc in IMT programme.

2. Updating the List of Level 5 EIE Electives

The list of Level 5 subjects open for BSc in IMT final-year students’ choosing has been updated as follows:

Table 2: Updated list of Level 5 EIE electives for the BSc in IMT programme:

Subject Code	Subject Title	Credit
EIE522	Pattern Recognition: Theory and Applications	3
EIE529	Digital Image Processing	3
EIE546	Video Technology	3
EIE553	Security in Data Communication	3
EIE557	Computational Intelligence and its Applications	3
EIE558	Speech Processing and Recognition	3
EIE563	Digital Audio Processing	3
EIE575	Vehicular Communications and Inter-Networking Technologies	3
EIE579	Advanced Telecommunication Systems	3
EIE581	Optical Wavelength Division Multiplexing Networks	3
EIE589	Wireless Data Network	3
EIE507	Network Design – Theory and Practice	3
EIE536	High Speed Networks	3
EIE541	Digital Signal Processing	3
EIE552	Internet Technologies for Multimedia Applications	3
EIE555	Personal Networking Technology	3
EIE556	Advanced DSP for Multimedia Communications	3
EIE565	Advanced Multimedia Technology	3
EIE576	Information Technology in Biomedicine	3

The revisions will take immediate effect and applicable to all cohorts of intake to the BSc in IMT programme.

Please refer to the attached file which contains the rationales behind the minor changes to the BSc in IMT programme for your reference.

For easy reference in the future, students are strongly advised to update your own Programme Booklet by enclosing this email and the attached document to your own Booklet.

Should you have any question regarding the above, please feel free to talk to me.

Thank you for your attention.

Regards,
 Dr Frank Leung
 Programme Leader
 BSc(Hons) in Internet and Multimedia Technologies

The Hong Kong Polytechnic University
Department of Electronic and Information Engineering

Minor Changes to the BSc (Hons) in Internet and Multimedia Technologies
(BSc in IMT) (42477/42477-SY) Programme

Background

Recently the Department has made a thorough discussion on the identity of the academic programmes it offers and came up with a plan to refocus its programmes to the studies in Information and Communication Technologies (ICT) with an emphasis on “integration”. It follows from the rapid development in the platforms for digital entertainment in recent years. Most forms of digital entertainment, be it movies, computer games, sports, news, songs, TV programmes, etc., can now be accessed on the Internet through wired or wireless platforms. Many ICT enterprises, such as Google, Microsoft, Verizon, Sony, Amazon, etc., no longer focus on providing a specific kind of ICT services and products only, but also engage themselves in different forms of digital entertainment. To do so, they require technologies which enable these various forms of digital entertainment to integrate seamlessly with due consideration to issues such as digital content protection and intelligent advertisement. It lets us believe that there is a need to provide an integrated education to our students in line with the latest development of the industry to prepare their future ICT career. It in fact also fully meets the profile and expertise of the Department.

To cope with this emphasis, the Department has recently made a review on all higher diploma, undergraduate degree and taught postgraduate programmes to ensure they follow closely our new emphasis of “integration” in ICT. At the same time, we also try to identify rooms for streamlining and consolidation of subjects while ensuring that the programme aims, objectives and intended learning outcomes are unaffected and sufficient number of electives are provided for students’ selection.

In this connection, a number of minor changes to the BSc in IMT programme curriculum have been implemented as detailed in the following.

1. Deleting Electives from the Curriculum

Two EIE electives, “EIE3110 Research Methodology” and “EIE4414 Computer Architecture and Systems”, currently offered for the BSc in IMT programme, have been removed from the

curriculum of the BSc in IMT programme as stated in Table 1 below. They either do not align closely with the new programme emphasis or are less popular among students (i.e. low subject enrolment).

Table 1: Deletion of technical electives from the BSc in IMT programme:

Subject Code	Subject Title	Credit	Category	
			Normal Year 1 Intake	Senior Year Intake
EIE3110	Research Methodology	3	ELE	ELE
EIE4414	Computer Architecture and Systems	3	ELE	ELE

The revisions will be effective from 2017/18 and onwards and applicable to all cohorts of intake to the BSc in IMT programme.

2. Updating the List of Level 5 EIE Electives

According to current curriculum design of the BSc in IMT (42477/42477-SY) programme, students may take at most one Level 5 EIE subject per semester as a final-year technical elective during their final year of study subject to the approval by the Programme Leader. The total number of Level 5 EIE subjects taken by a student shall not exceed 2. Below are the Level 5 EIE subjects currently listed in the BSc in IMT programme:

Table 2: Existing list of Level 5 EIE electives for the BSc in IMT programme:

Subject Code	Subject Title	Credit
EIE507	Network Design - Theory and Practice	3
EIE522	Pattern Recognition: Theory and Applications	3
EIE529	Digital Image Processing	3
EIE536	High Speed Networks	3
EIE541	Digital Signal Processing	3
EIE546	Video Technology	3
EIE552	Internet Technologies for Multimedia Applications	3
EIE553	Security in Data Communication	3
EIE555	Personal Networking Technology	3
EIE556	Advanced DSP for Multimedia Communications	3
EIE557	Computational Intelligence and its Applications	3
EIE558	Speech Processing and Recognition	3
EIE563	Digital Audio Processing	3

Subject Code	Subject Title	Credit
EIE565	Advanced Multimedia Technology	3
EIE576	Information Technology in Biomedicine	3
EIE579	Advanced Telecommunication Systems	3

The Level 5 EIE subjects are primarily offered for MSc in Electronic and Information Engineering (MSc in EIE) programme, and the BSc in IMT programme merely adopts these subjects to broaden the students' scope of learning. With reference to the update on the list of Level 5 subjects offered for the MSc in EIE programme, the list of Level 5 subjects open for BSc in IMT final-year students' choosing has been updated as follows:

Table 3: Updated list of Level 5 EIE electives for the BSc in IMT programme:

Subject Code	Subject Title	Credit
EIE522	Pattern Recognition: Theory and Applications	3
EIE529	Digital Image Processing	3
EIE546	Video Technology	3
EIE553	Security in Data Communication	3
EIE557	Computational Intelligence and its Applications	3
EIE558	Speech Processing and Recognition	3
EIE563	Digital Audio Processing	3
EIE575	Vehicular Communications and Inter-Networking Technologies	3
EIE579	Advanced Telecommunication Systems	3
EIE581	Optical Wavelength Division Multiplexing Networks	3
EIE589	Wireless Data Network	3
EIE507	Network Design – Theory and Practice	3
EIE536	High Speed Networks	3
EIE541	Digital Signal Processing	3
EIE552	Internet Technologies for Multimedia Applications	3
EIE555	Personal Networking Technology	3
EIE556	Advanced DSP for Multimedia Communications	3
EIE565	Advanced Multimedia Technology	3
EIE576	Information Technology in Biomedicine	3

The revisions will take immediate effect and applicable to all cohorts of intake to the BSc in IMT programme.