

# SoTL bulletin

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## Advancing Academic Programmes

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# EVALUATING THE ALTERNATIVE ASSESSMENT PRACTICES IN ALL CURRENT COURSES OFFERED BY WC11 PROGRAMME

by Seleviawati Tarmizi, Kartinah Zen, Johari Abdullah, Tan Chong Eng, Lau Sei Ping, Halikul Lenando, Adnan Shahid Khan, Mohamad Imran Bandan, Ahmad Hadinata Fauzi, Rajan Thangaveloo, Noralfah Annuar, Azlina Ahmadi Julaihi

WC11 Network Computing Programme offered Bachelor of Computer Science with Honours (Network Computing) since 2003. The curriculum structure covers fundamental and advance network computing concepts on the use of computers and other devices in a linked network, rather than as unconnected, stand-alone devices. Network computing is a dynamic area of study. Therefore, teaching and learning approaches for network computing has to adapt with the progressive development of the network technologies.

There is always a need to revisit the WC11 curriculum to investigate its effectiveness and whether the existing curriculum addresses the future-ready curriculum framework introduced by the Jabatan Pengajian Tinggi (JPT) (Hassan, 2018 ; Tarmizi, 2018). This evaluation report addresses the current practices of the alternative assessment in WC11 programme.

Tasir (2018) defined alternative assessment as a holistic assessment of two major learning elements namely outcomes and processes. It emphasizes on what the students can and cannot do, rather than merely focusing on the mastery of knowledge. Similarly, Brigham Young University (2019) refers alternative assessment as performance test or authentic assessment, measuring applied proficiency rather than knowledge only.

Table 1 lists the courses offered by WC11 Network Computing Programme for semester 1 and semester 2 of UNIMAS academic calendar with the percentage of formative and summative assessments. The percentage is calculated based on the latest version of the course outlines for each WC11 course in UNIMAS iCLASS system <https://academia.unimas.my/iclass>.

**Table 1: List of courses in WC11 Network Computing Programme**

No.	Course Code	Course Name	Formative Assessment Percentage (%)	Summative Assessment Percentage (%)
1	TMF1214	Computer Architecture	60	40
2	TMF1254	Communication and Computer Network	60	40
3	TMF2234	Operating System	60	40
4	TMN2073	Computer Security	60	40
5	TMN3213	Internetworking Technology Laboratory	80	20
6	TMN3073	Wireless and Mobile Network	60	40
7	TMN3093	Computer System Administration & Management	60	40
8	TMN4013	Distributed System	60	40
9	TMN4033	Embedded System	70	30
10	TMN4133	System Programming	60	40
11	TMN4053	Broadband Network Technology	60	40
12	TMN4093	Advanced Topics in Computer Networking	70	30
13	TMN4113	Network Performance and Simulation	60	40