



United International University
QUEST FOR EXCELLENCE

Department of Computer Science & Engineering

Course Code: CSI 424

Course Title: Simulation & Modeling Laboratory

Server Queueing Model Report

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Section: A

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Number of Delay for 10 customers

Performance Measure	FIFO	LIFO	SJF
Average Delay	0.00228	0.0023	0.0023
Expected Number of Customers in the queue	0.0057	0.0057	0.0057
Expected Utilization of the server-1	0.3715	0.3715	0.3715
Expected Utilization of the server-2	0.2055	0.2056	0.2056

Number of Delay for 50 customers

Performance Measure	FIFO	LIFO	SJF
Average Delay	0.0139	0.0185	0.0139
Expected Number of Customers in the queue	0.0394	0.0525	0.0394
Expected Utilization of the server-1	0.5349	0.5400	0.5349
Expected Utilization of the server-2	0.2212	0.2160	0.2212



Number of Delay for 100 customers

Performance Measure	FIFO	LIFO	SJF
Average Delay	0.0436	0.0410	0.0354
Expected Number of Customers in the queue	0.1425	0.1337	0.1157
Expected Utilization of the server-1	0.4618	0.4671	0.4598
Expected Utilization of the server-2	0.3827	0.3775	0.3849

