

## Course Book

<b>1. Course name</b>	<b>Real Time Systems</b>
<b>2. Lecturer in charge</b>	<b>Kayhan Zrar Ghafoor</b>
<b>3. Department/ College</b>	<b>Software Engineering and Informatics/College of Engineering</b>
<b>4. Contact</b>	<b>e-mail: kayhan.zrar@su.edu.krd</b>
<b>5. Time (in hours) per week</b>	<b>Theory: 2</b>
<b>6. Office hours</b>	<b>Monday 8:30 – 10:30</b>
<b>7. Course code</b>	
<b>8. Teacher's academic profile</b>	<p>(S'10-M'15-SM'19) is currently working as postdoctoral fellow at Shanghai Jiao Tong University. Before that, he was visiting researcher at University Technology Malaysia. He received the BSc degree in Electrical Engineering from Salahaddin University, the MSc degree in Remote Weather Monitoring from Koya University and the PhD degree in Wireless Networks from University Technology Malaysia in 2003, 2006, and 2011, respectively. He has published over 45 scientific/research papers in ISI/Scopus indexed international journals and conferences. Dr Kayhan authored two books named "Cognitive Networks: Applications and Deployments" and "Privacy and Cybersecurity in Smartcities". He is the receipt of the UTM Chancellor Award at 48th UTM convocation in 2012.</p> <p><a href="http://engineering.su.edu.krd/images/pdfs/Software/nuhara.pdf">http://engineering.su.edu.krd/images/pdfs/Software/nuhara.pdf</a></p>
<b>9. Keywords</b>	<b>Response time, deadline, RTOS, Scheduling, Events, Timelines</b>
<b>10. Course overview:</b>  <p>Real Time Systems course introduce students to the fundamental problems, concepts, and approaches in the design and analysis of real-time systems. In this course the student will study issues related to the design and analysis of systems with real-time constraints. The problem of ensuring such constraints is ultimately a scheduling problem, so much attention is devoted to such problems.</p>	