

ELEC 7144 Advanced Internet Infrastructure Technologies

Staff:

- Teacher: Ricky KWOK (email: *ykwok@eee.hku.hk*)
- TA: Mr. Xin JIN (email: *tojinxin@gmail.com*)

Schedule:

- Fridays 7:00pm–9:30pm at KK-LG109

Assessment:

- Short Quizzes: 10%; Mid-Term Quiz: 30%; Final exam: 60%
- Short Quizzes (given at the end of lectures): T/F and M/C
- Mid-Term Quiz (2-hour): T/F, M/C, and short questions
- Final (2-hour): T/F, M/C, and short questions

References:

- Various research articles as indicated on the lecture slides

ELEC 7144 Advanced Internet Infrastructure Technologies

Course Outline:

- Advanced routing
- Traffic Monitoring
- Quality of Experience
- Network Science
- P2P Systems
- Social Networks
- Game Theoretic Modeling and Analysis
- Energy Efficient Networks
- Networking for Cloud Computing
- Networking for Smart Grid
- Future of Internet