Module Introduction

EBU5211: Ad Hoc Networks

Course Organizer: Dr. Yan SUN (Cindy)

Outline

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- Lecture Arrangement
- Coursework and Exams
- "Student-Lecturer" Session
- Module Contents

Lecture Arrangement

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- **Lecture Delivery (Every Monday-Friday)**
  - Lecture notes can be found in QM+
  - Attending lectures are essential
  - Making notes are highly recommended
- **Open Book in-Class Test (2nd hour Every Friday since Teaching Week 2)**
  - Open Questions will be given on spot
  - Deep understanding of the topics are fundamental
  - Critical Thinking is essential
  - General Feedbacks are given during Tutorial

Coursework and Exams

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- **Coursework → 30%**
  - 10 marks go to every week's in-class test
  - Individual mark will be released on QM+
  - 14-day period test mark review request after released on QM+
- **Exams → 70%**
  - Answer all 4 compulsory questions in 2 hours
  - Question covers all topics in this module

"Student-Lecturer" Session

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- Timeslot: Split Group on Thursday each teaching week (1st Hour: Class 17/18/19, 2nd Hour: Class 20/21/22)
- Pattern: A pair of student volunteers to give lecture of one assigned topic to the whole class with Q&A
- Rewarding: bonus marks for corresponding week's class test to presenters and students with high quality questions
- Volunteers: first four pairs who sign up
- Fairness: mini topics will be given on every Monday

Module Contents

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- **Wireless Network (Teaching week 1)**
  - Wireless Application Scenarios
  - Structure of Cellular Network
- **Network Layer (Teaching week 2 & 3)**
  - In Wired Networks
  - In Wireless Ad hoc Networks
- **Transport layer (Teaching week 4)**
  - In Wired Networks
  - In Wireless Ad hoc Networks

New: Golden 3 Mins Review

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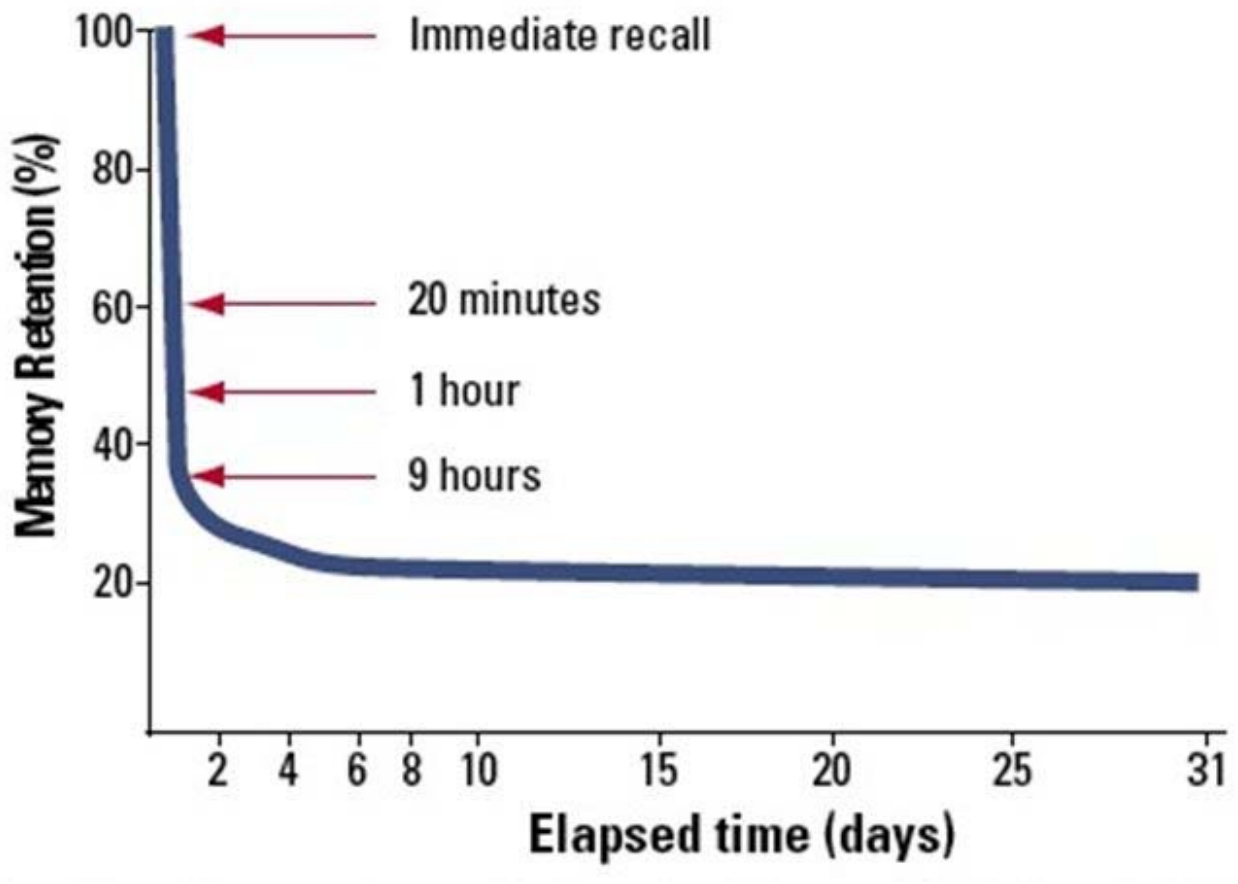

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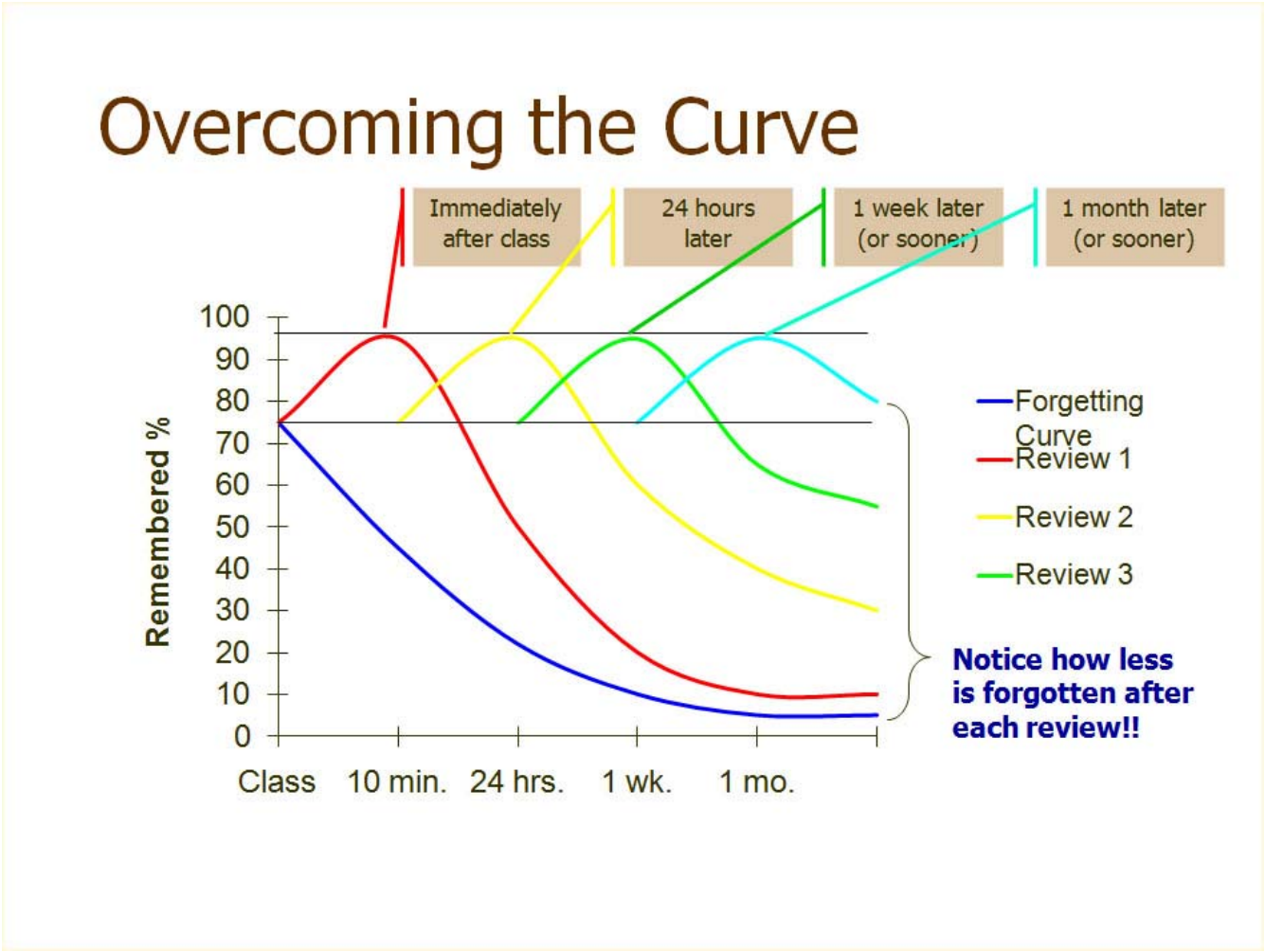
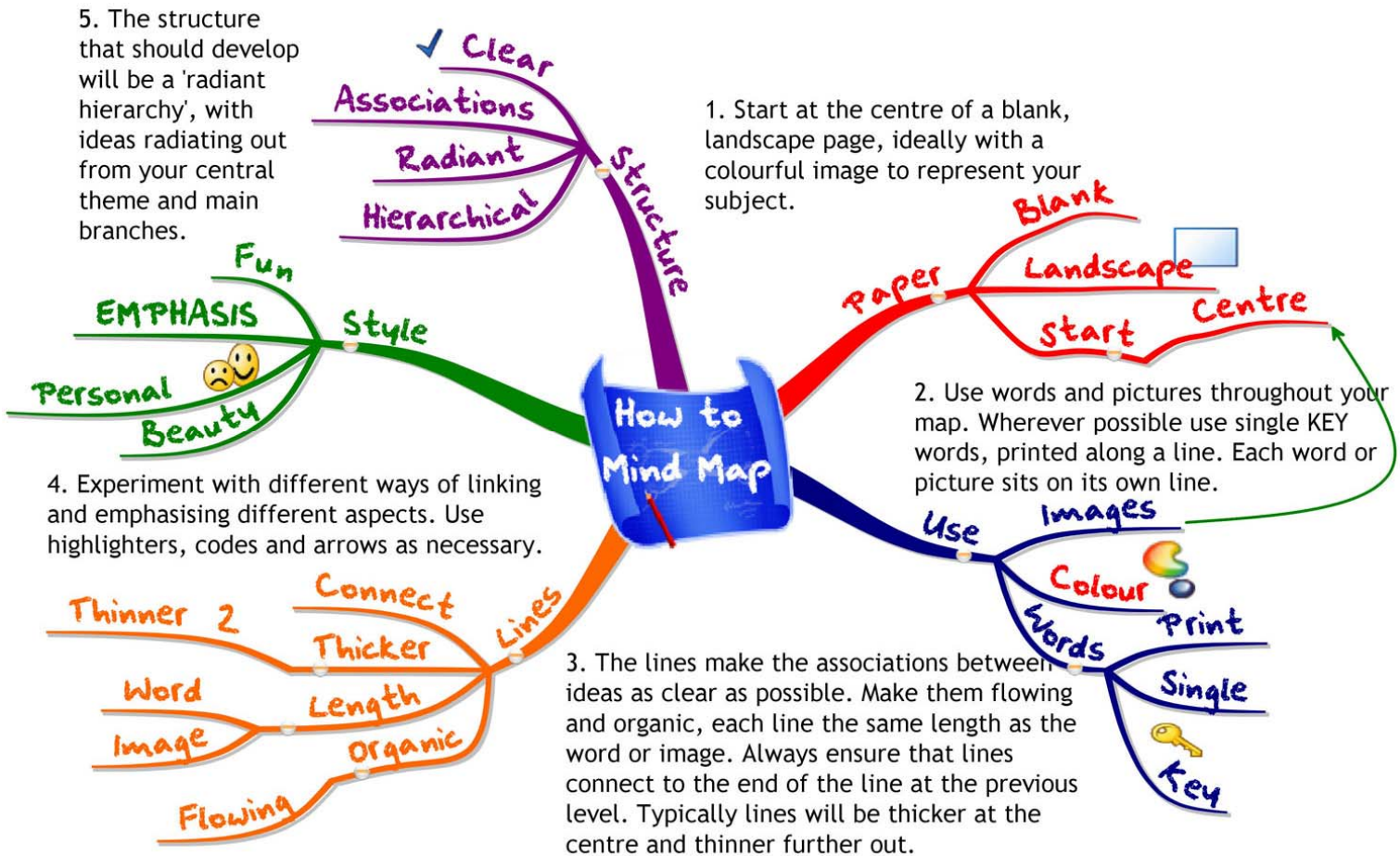


Mind Map for Review



Key Principle

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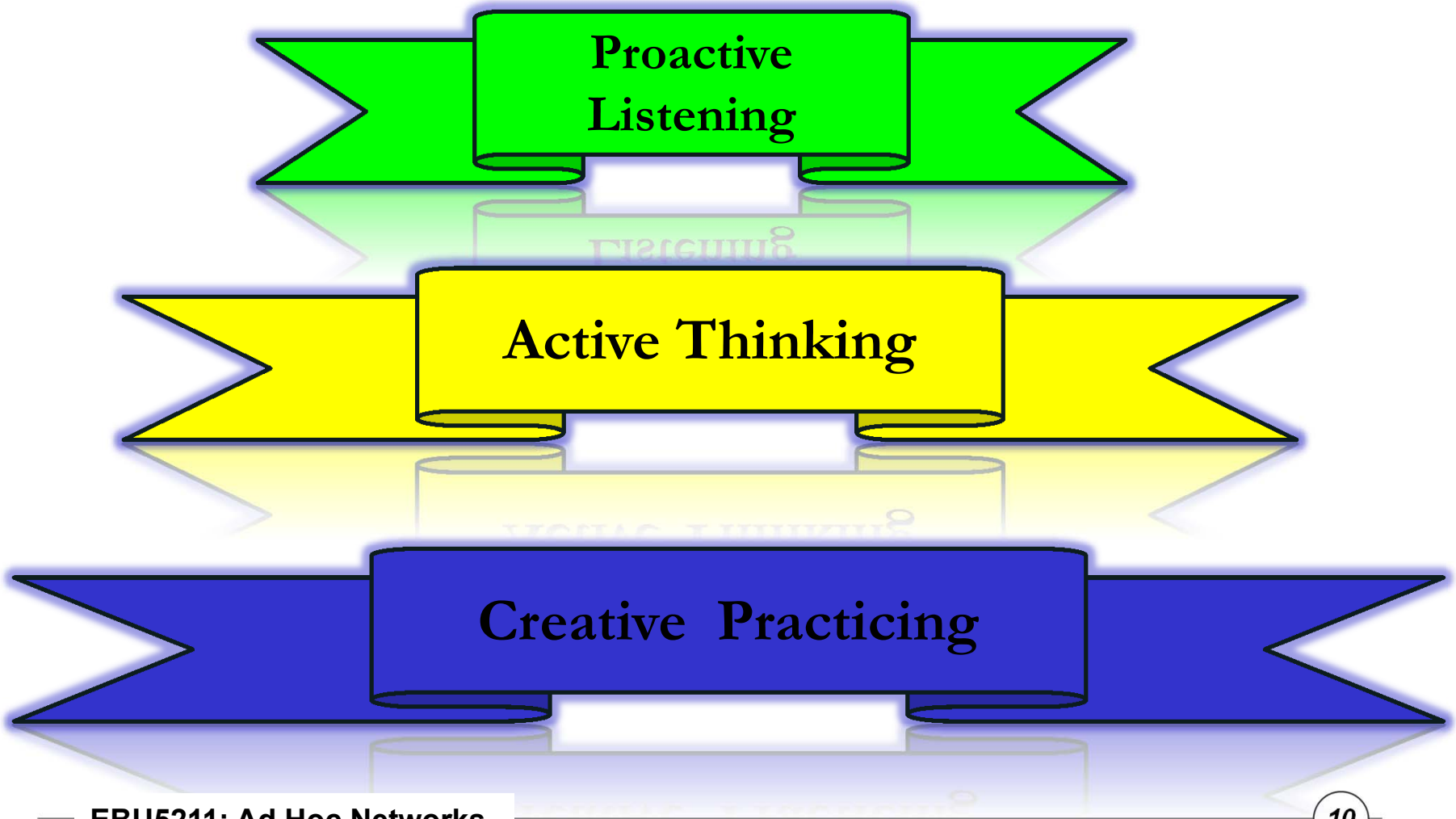

Advices

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- Attending the lectures
- Making notes
- Mastering weekly topics by reviewing
- Practicing positive thinking during in-class tests
- Revising all contents for exams

Recommended Books

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- Wireless Communications by Andrea Goldsmith
  - Publisher: Cambridge University Press
  - ISBN-10: 0521837162 ISBN-13: 978-0521837163
- TCP/IP Protocol Suite by Behrouz A Forouzan
  - Publisher: McGraw-Hill Higher Education;
  - ISBN-10: 0073376043 ISBN-13: 978-0073376042
- Ad Hoc Mobile Wireless Networks Protocols and System by C.K. Toh
  - Publisher: Pearson;
  - ISBN-10: 8131715108 ISBN-13: 978-8131715109

Tutorial Hour/Office Hour

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