Hong Kong Institute of Vocational Education

Tsing Yi Nexus
Tuen Mun Campus

Discipline of Computing and Mathematics

- Subject Group --- 41110

- Courses :

- Diploma in Computer System Administration (CSA) --- 41200

- Diploma in Software Engineering (SE) --- 41203

Department of Computing (CP)

- Subject : Discrete Mathematics & Statistic

- Subject Lecturer : Chang Woon On

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Home Page
Department of Computing
Tuen Mun Campus

- http://tmcp01.vtc.edu.hk
- Staff
- Chang Woon On
- Discrete Mathematics and Statistics

Teaching Plan 2000/2001

- Module Title : Discrete Mathematics & Statistics
- Module Code : CMM1313
- Module Value : 1.0
- Duration : 30 weeks
- Class-Contact Hour :
  - Lecture   30 hours
  - Tutorial   30 hours

Assessment Scheme

- Continuous Assessment   30%
  - Two Assignments @ 5%
  - Two Tests @ 10%
- Examination   70%

      100%

- In order to get pass in this subject, both components must be passed.

Contents

- 1. Sets and Numbers

- 2. Logic and Proof

- 3. Matrices and Relations

- 4. Graphs and Trees

- 5. Descriptive Statistics

- 6. Counting and Probability

- 7. Probability Distribution

Recommended References

- 1. Susanna S. Epp,
  Discrete Mathematics with
  Applications,
  Second Edition, PWS, 1995.

- 2. Freund, J.E. and Simon,
  Modern Elementary Statistics,
  Nine Edition, Prentice Hall, 1997.

- 3. Seymour Lipschutz, Essential Computer Mathematics, Schaum's Outline Series, McGraw-Hill.

- 4. Discrete Mathematics and its Applications, Fourth Edition, McGraw-Hill.