

# 國立雲林科技大學工程科技研究所

## 資格考科目命題用書及補修課程

**【115 學年度暑假資格考適用】**

組別	資格考科目	範圍	指定命題用書	指定補修課程 (限營建所)
戊 領 域 ( 營 建 工 程 ) C o n s t r u c t i o n E n g i n e e r i n g	混凝土構件行為學 Concrete Member Behavior		<ol style="list-style-type: none"> <li>J.P. Moehle, Seismic Design of Reinforced Concrete Buildings. ISBN: 9780071839440</li> <li>Ou, Y.C., and Oktavianus, Y., Behavior of Reinforced Concrete Members, ISBN: 978-957-43-0921-4.</li> </ol>	碩士班(Master Degree Course)： 混凝土構件行為學 Concrete Member Behavior
	結構動力學 Dynamic of Structures		<ol style="list-style-type: none"> <li>A. K. Chopra, "Dynamics of Structures : Theory and Applications to Earthquake Engineering".</li> <li>Ray W. Clough &amp; Joseph Penzien, "Dynamics of Structures"</li> </ol>	碩士班(Master Degree Course)： ①結構動力學 Dynamics of Structures ②結構動力分析 Dynamic Analysis of Structures 以上共 2 科擇 1 補修 Choose 1 of the 2 course
	高等土壤力學 Advanced Soil Mechanics		<ol style="list-style-type: none"> <li>Terzaghi, K., Peck, P.B., and Mesri, G., "Soil Mechanics in Engineering Practice," John Wiley and Sons, Inc.</li> </ol>	碩士班(Master Degree Course)： 高等土壤力學 Advanced Soil Mechanics
	地盤改良 Ground Improvement (114-1 新增)		<ol style="list-style-type: none"> <li>Peter G. Nicholson, 2015, Soil Improvement and Ground Modification Methods, Elsevier Inc., ISBN: 978-0-12-408076-8</li> <li>Manfred R. Hausmann, 1990, Engineering principles of ground modification, McGraw-Hill, ISBN:0071007407</li> </ol>	碩士班(Master Degree Course)： 地盤改良特論 Special Topics of Ground Improvement
	統計分析 Statistical Analysis		<ol style="list-style-type: none"> <li>Montgomery, D. C., and Runger, G. C. (2003), Applied Statistics and Probability for Engineers, 3rd ed., John Wiley &amp; Sons.</li> <li>Walpole, R. E., Myers, R. H., and S. L. Myers (1998), Probability and Statistics for Engineers and Scientists, 6th ed., Prentice-Hall.</li> </ol>	碩士班(Master Degree Course)： ①計量經濟學 Econometrics ②管理科學 Management Science ③設施維護管理 Facility maintenance and management 以上共 3 科擇 1 補修 Choose 1 of the 3 course
	工程專案管理 Professional Construction Management		<ol style="list-style-type: none"> <li>PMBOK, Project Management Institute</li> <li>Barrie, D.S., and Paulson, B.C., "Professional Construction Management," McGRAW-HILL, New York, NY.</li> <li>專案管理基礎知識與應用實務 (第六版), 社團法人中華專案管理學會編著</li> </ol>	營建碩士班(Department of Civil and Construction Engineering, Master Degree Course)： ①專案管理特論 Special Topics in Project Management ②決策分析與風險管理 Decision Analysis and Risk Management ③營建管理特論 Advanced Topics for Construction Management 以上共 3 科擇 1 補修 Choose 1 of the 3 course