MODULAR GRADUATE DIPLOMA

MODULE 4 – MODELLING EXPERIMENTAL DATA

INTRODUCTORY NOTE 1: "Print to Order" or "Print on Demand"

Some more advanced books which have relatively small sales are now placed on a system called "Print to Order" (or "Print on Demand"). These books can still be ordered through bookshops. Hodder Arnold and OUP (Oxford University Press) use this system, and probably other publishers also. Any title in a current catalogue should be readily available even if not technically "in print". Please note also that all books included in the following list have had wide circulation in the past and should be available in libraries

INTRODUCTORY NOTE 2: "Kendall and Stuart" books for general reference at Graduate Diploma level

The series of books originally called *The Advanced Theory of Statistics*, Volumes I, II and III, by Kendall M G, Stuart A and (in recent editions) Ord J K, published by Griffin, is now the major part of what is known as *Kendall's Library of Statistics*. This consists of three volumes of core material plus a series of more specialised monographs.

The books are currently published by Hodder Arnold. The core material is called *Kendall's Advanced Theory of Statistics 3-volume set*, and consists of

Volume 1, Distribution Theory, 6th Ed, Stuart A and Ord J K, 1994

Volume 2A, Classical Inference and the Linear Model, 6th Ed, Stuart A and Ord J K, 1998

Volume 2B, Bayesian Inference, 2nd Ed, O'Hagan A and Forster J, 2004.

The volumes are available individually.

Some of the books published by Wiley are reprints in the Wiley Classics Series of well-established older books. In addition, there may be cases where earlier editions of books published by Wiley are available at less cost in the Wiley Classics Series.

The book list is set out on the next page.

The books are listed in alphabetical order by name of first author. Some are general texts that cover much or all of the syllabus for the module; others are focused on particular areas. Books marked by a star (*) might be found especially useful.

Box G E P, Hunter J S and Hunter W G		2005 2nd Ed	Statistics for Experimenters	Wiley
Clarke G M and Kempson R E	*	1996	Introduction to the Design and Analysis of Experiments	Hodder Arnold
or				
Cochran W G and Cox G M	*	2005 2nd Ed	Experimental Designs	Wiley
Cook R D and Weisberg S		1994	An Introduction to Regression Graphics	Wiley
Cox D R		1992 (New Ed)	Planning of Experiments	Wiley
Davies O L and Goldsmith P L		1984	Statistical Methods in Research and Production	Longman
Dobson A J	*	2008 3rd Ed	An Introduction to Generalized Linear Models	Chapman & Hall/ CRC Press
Draper N R and Smith H	*	1998 3rd Ed	Applied Regression Analysis	Wiley
or				
Weisberg S	*	2005 3rd Ed	Applied Linear Regression	Wiley
Freund R J and Wilson W J		1998	Regression Analysis: Statistical Modelling of a Response Variable	Academic Press
Krzanowski W J	*	1998	An Introduction to Statistical Modelling	Hodder Arnold
McCullagh P and Nelder J A		1989 2nd Ed	Generalized Linear Models	Chapman & Hall/ CRC Press
Montgomery D C		2004 6th Ed	Design and Analysis of Experiments	Wiley
Snedecor G W and Cochran W G		1989 8th Ed	Statistical Methods	Iowa State University Press