

# MSc Mechanical Technology

## Thesis Preparation

Firstly, it has to be stated that there is no fixed format for Masters Thesis at the University of Glamorgan and what follows are suggestions to help you prepare your thesis for submission.

**Font:** Use a font, for the text, that is easy to read: such as Times New Roman or Arial.

**Font Size:** 12pt for the main body of text.

**Line Spacing:** Use 1.5 or double spacing between the lines of text.

**Justification:** Left or Full

**Margins:** The left margin should be such that there is adequate room for binding. (In most cases students submit their thesis as a ring bound document.) The right margin should be 2.5cm, the top and bottom margins should be about 2.5cm but allowance can be made for any headers or footers that are included.

**Headings:** Use font size and/or Bold to distinguish the headings from the main text. Various levels of headings can be used and it is suggested that they are numbered in 1, 1.1, 1.1.1, etc.

**Page Numbers:** These can be included in a “footer” and should be either in the centre or outside of the page. The first chapter should start on page 1, any preceding pages should be numbered using Roman Numerals e.g. i, ii, iii, iv, etc.

**Headers:** These may be included but the information included should be minimal.

**Figures & Tables:** These should be numbered consecutively i.e. 1,2. If referencing tables or figures in the text use the same font and character size as the main text. These should be referenced as Figure 8 or Table 5. Figures and tables should be captioned in such a way that the contents are clearly understandable to the reader.

**Referencing:** This is based on the Harvard system for referencing. In the text the referencing should be either Gordon (2007) for a single author, Gordon and Franklin (2006) for two authors and Gordon et al. (2007) for more than two authors. If the reference is in brackets then it should be of the form (Gordon et al. 2007). If an author or authors have published more than one paper in any given year these should be distinguished by Gordon (2007a) and Gordon (2007b) etc. The reference list should be done alphabetically by author(s) and then chronologically for their publications.

### Journal Reference

MacIntosh B.R., Bryan S.N., Rishaug P., Norris S.R. (2001) Evaluation of the Monark Wingate Ergometer by direct measurement of resistance and velocity, Canadian Journal of Applied Physiology, 26(6); pp543-558

Note for two authors – Gordon R.S. & Franklin K.L (2006) Paper Title, Journal in which the paper appeared, Volume number (Issue Number); page numbers.

### **Proceedings/Book Chapter Reference**

Gordon R.S., Franklin K.L., Baker J.S., Davies B. (2004) A study in the accuracy and precision of determining the moment of inertia of an ergometer flywheel, The Engineering of Sport 5, Volume 1, Ed M Hubbard et al, ISEA, pp529-535

### **Book Reference**

Kent L.L. (2006). Ansys Tutorial Release 10, SDC Publication, ISBN 1-58503-268-9

Note add edition number for 2<sup>nd</sup> or higher editions of a book.

### **World Wide Web References**

Give the URL of the page(s) that are being referred to, along with the date they were accessed. If the author of the work is identified on the web-page then their details should be included. If the work to which you are referring is titled this should also be included. Due to the uncontrolled nature of information available on web-sites excessive use of web references should be avoided.

The title page should be laid out as follows:

University of Glamorgan

Finite and boundary element analysis of axisymmetric  
structures subjected to body loading.

Rae S. Gordon

06001537

A thesis submitted to the Faculty of Advanced Technology in partial fulfilment  
of the requirements for the degree of

M.Sc. Mechanical Technology

(2008)

Supervisor(s):

A.N.Other, Dept Mechanical Engineering, University of Glamorgan

The thesis should contain a declaration, as follows:

## DECLARATION

I declare that this dissertation is the result of my own independent investigation, except where I have indicated my indebtedness to other sources

Signed ..... (Print name here!)

Date .....

The content and layout of a thesis will vary depending upon the type of project undertaken, but here is a suggested layout of thesis contents;

Title page

Declaration

Acknowledgements

Abstract

Table of Contents

(Optional:

List of Figures

List of Tables

List of Abbreviations

Nomenclature)

Chapter 1 Introduction (This should include the background to the project and aims of the project)

Chapter 2 Critical Literature Review (This should include a critical analysis of all relevant literature in the area of the project. In some cases, such as design and industrial based project there may be little or no published literature available in which case a review should be carried out of existing products on the market and the technologies employed.)

Chapter 3-? The main body of text which may include;

Theory

Analysis/Simulation/Design

Experimental Procedure

Results

Chapter ?+1 Discussion & Future Work

Chapter ?+2 Conclusions

References

Appendices