## TECHNICAL REPORT WRITING FOR ENGINEERS

Report Checklist - complete this before submitting your reports to check you haven't missed anything from the course.

| Target audience:   |       |  |         |
|--|-------|--|---------|
| Who is this report aimed at? Is it for y general public?   | our b | oss, your tutor, your employees, the   |         |
|  |       |  |         |
| •  |       | ng required to read your report is suita<br>echnical terminology or acronyms they  |         |
| Title  |       | References and citation  |         |
| Only used a title page for long report<br>Contains author, title and date<br>Title summarizes the content<br>Considered picture/logo/affiliation |       | All citations appear in references Referencing system is consistent Referencing contain enough information to find source material Ordering of references is correct |         |
| Abstract   |       | Material not referenced but used for   |         |
| Contains a summary of <b>all</b> the information in the report States:   |       | report is in a Bibliography <b>Equations and data</b>  |         |
| <ul> <li>The problem</li> <li>What you did</li> <li>What you got out of it</li> <li>No citations, figures, equations</li> </ul>                  |       | Equations sequentially numbered Equations referred to from the text All nomenclature is defined Separate Nomenclature section  |         |
|  |       | considered Fonts match for variables in text and   | □<br>in |
| Introduction Clearly defines the problem Includes context and importance   |       | equations Numbers use correct precision Numbers have appropriate units   |         |
| Previously published work reviewed<br>Establishes how the work presented<br>adds to current understanding  |       | There is a clear and distinct separation between background  |         |
| Theoretical/conceptual background Clearly states aim and objectives  |       | work that has come before, and no<br>work presented in your report   |         |



| Method/Procedure                                       |      | Tables                                     |      |
|--|------|--|------|
| Enough information for someone else repeat the process | e to | Tables sequentially numbered and captioned |      |
| Only relevant information is included                  |      | Tables referred to from the text           |      |
| Impartial record of events                             |      | Rows and columns contain titles            |      |
| Logical, chronological order                           |      | Rows and columns contain units             |      |
| Any dangers clearly described                          |      | Precision of numbers is appropriate        |      |
|  |      | Borders are appropriate.                   |      |
| Figures  |      |  |      |
| Figures relevant to the discussion                     |      | Discussion                                 |      |
| Choice of figure type is correct                       |      | Puts the results into context              |      |
| Schematics used where appropriate                      |      | Compares results to theory or other        |      |
| Figures sequentially numbered                          |      | work                                       |      |
| Figures referred to from text                          |      | Limitations/uncertainty described          |      |
| Figures captioned with enough detail                   |      | Use of conjecture is clearly defined       |      |
| In high enough resolution                              |      |  |      |
|  |      | Conclusion                                 |      |
| Results  |      | Does not introduce new information         | that |
| Clearly explains outcome of work                       |      | hasn't been discussed previously           |      |
| Considered use of tables/graphs                        |      |  |      |
| Writing points out themes in results                   |      | Structure                                  |      |
| Includes raw and processed data                        |      | All sections and subsections number        | ed   |
| No conjecture or opinions presented                    |      | sequentially                               |      |
|  |      | All pages numbered                         |      |
| Graphs   |      | Considered contents page of section        | S,   |
| Title is in caption                                    |      | including page numbers                     |      |
| Axes are labelled                                      |      |  |      |
| Axes have units  |      | Layout and Style                           |      |
| Precision of numbers is appropriate                    |      | It is word processed                       |      |
| Axes are scaled correctly                              |      | All fonts/styles consistent presentation   | on   |
| Not too much whitespace                                |      | elements of the report.                    |      |
| Series distinguishable                                 |      | ·  |      |
| Series can be identified                               |      | Language                                   |      |
| Continuous data represented with lin                   | ne,  | No use of contractions                     |      |
| discrete data with points                              |      | No use of personal pronouns                |      |
|  |      | No superlatives (e.g. huge, really)        |      |
|  |      | Technical terms explained                  |      |

