



DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

UNIT CODE: CCS 6106

UNIT TITLE: CCS 6106 SEMINARS & SCIENTIFIC WRITING IN COMPUTER SCIENCE

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Goal

The purpose of this course is to enable the students undertake structured research; information search, proposal writing, data collection and analysis, report writing and effective presentation of scientific findings.

Objectives

- i.) At the end of the course the learner should be able to:
- ii.) Develop a research proposal
- iii.) Critique research designs and findings.
- iv.) Disseminate research findings through posters, conference presentation and journal publications.

Course Outline

Week	Topic covered	Time allocated
1	Introduction to Scientific Writing	3 hours
2	Scientific Writing: Drafting techniques	3 hours
3	Scientific Writing: Cohesion strategies	3 hours
4	Science Papers: Title and Abstract	
5	Scientific Papers: Introduction	3 hours
6	Scientific Papers: Methods	3 hours
7	Scientific Papers: Results	3 hours
8	Scientific Papers: Discussion	3 hours
9	Scientific Papers: Citations and References	3 hours
10	Writing Journal Articles	3 hours
11	Writing a Masters Thesis	3 hours
12	Revision	

Mode of delivery:

Group discussions, presentations, consultation with the group's instructors, lecture, exercises, self-study

Evaluation

Oral presentations	40%
Written reports	60%
Total	100 Marks

References

1. Annesley, Thomas M. "The Title Says It All." *Clinical Chemistry* 56, no. 3 (March 1, 2010): 357–60. <https://doi.org/10.1373/clinchem.2009.141523>.
2. Annesley, Thomas M. "The Abstract and the Elevator Talk: A Tale of Two Summaries." *Clinical Chemistry* 56, no. 4 (April 1, 2010): 521–24. <https://doi.org/10.1373/clinchem.2009.142026>.
3. Annesley, Thomas M. "'It Was a Cold and Rainy Night': Set the Scene with a Good Introduction." *Clinical Chemistry* 56, no. 5 (May 1, 2010): 708–13. <https://doi.org/10.1373/clinchem.2010.143628>.
4. Annesley, Thomas M. "Who, What, When, Where, How, and Why: The Ingredients in the Recipe for a Successful Methods Section." *Clinical Chemistry* 56, no. 6 (June 1, 2010): 897–901. <https://doi.org/10.1373/clinchem.2010.146589>.
5. Annesley, Thomas M. "Show Your Cards: The Results Section and the Poker Game." *Clinical Chemistry* 56, no. 7 (July 1, 2010): 1066–70. <https://doi.org/10.1373/clinchem.2010.148148>.
6. Annesley, Thomas M. "Put Your Best Figure Forward: Line Graphs and Scattergrams." *Clinical Chemistry* 56, no. 8 (August 1, 2010): 1229–33. <https://doi.org/10.1373/clinchem.2010.150060>.
7. Annesley, Thomas M. "Bring Your Best to the Table." *Clinical Chemistry* 56, no. 10 (October 1, 2010): 1528–34. <https://doi.org/10.1373/clinchem.2010.153502>.
8. Annesley, Thomas M. "The Discussion Section: Your Closing Argument." *Clinical Chemistry* 56, no. 11 (November 1, 2010): 1671–74. <https://doi.org/10.1373/clinchem.2010.155358>.
9. Annesley, Thomas M. "Giving Credit: Citations and References." *Clinical Chemistry* 57, no. 1 (January 1, 2011): 14–17. <https://doi.org/10.1373/clinchem.2010.158048>.
10. Annesley, Thomas M. "Top 10 Tips for Responding to Reviewer and Editor Comments." *Clinical Chemistry* 57, no. 4 (April 1, 2011): 551–54. <https://doi.org/10.1373/clinchem.2011.162388>.
11. Annesley, Thomas M. "Passing the Paternité Test." *Clinical Chemistry* 57, no. 9 (September 1, 2011): 1239–41. <https://doi.org/10.1373/clinchem.2011.170738>.
12. Derish, Pamela A, and Thomas M Annesley. "If an IRDAM Journal Is What You Choose, Then Sequential Results Are What You Use1." *Clinical Chemistry* 56, no. 8 (August 1, 2010): 1226–28. <https://doi.org/10.1373/clinchem.2010.150961>.
13. Derish, Pamela A, and Thomas M Annesley. "How to Write a Rave Review." *Clinical Chemistry* 57, no. 3 (March 1, 2011): 388–91. <https://doi.org/10.1373/clinchem.2010.160622>.

Guide to Scientific Writing <https://www.aacc.org/science-and-research/clinical-chemistry/clinical-chemistry%C2%A0guide-to-scientific-writing>