



CLUSTER INNOVATION CENTRE (CIC)

3rd Floor, Rugby Sevens Building, University Stadium,
UNIVERSITY OF DELHI, Tel. No.-27666702

List of E-resources/ Study material for the reference of students

M.Sc. (Mathematics Education)

Following are the recommendations of some additional e-resources (books, articles, lectures, youtube links, ppts etc.) to the students as a paper wise list for each semester. A lot of study material, hand-outs, presentations, and lectures etc. have already been shared with students either on emails or through google drives. Also, study material had been continuously uploaded on CIC website for the reference to students.

The weblinks in this document are only for the reference of students of Cluster Innovation Centre, purely for academic purposes. Since, all of these are available in the public domain, no Copyright infringement is intended.

Semester II

Paper name: Demystifying the power of data: Probability Statistics

Name of faculty member: Dr. Harendra Pal Singh

Paper code: MME421CC (1913201), (II.1)

Course: M.Sc. (Mathematics Education) II Semester

Links of books or material to be shared:

1. <http://resources.stkfupm.com/download/dXBsb2Fkcy9TVEFUL1NUQVQzMTkvZUJvb2tzJTlwJTl2JTlwU29sdXRpb24lMjBNYW51YWxzL1NUQVQzMTlfX0UtQm9va19fNXRoLUVkaXRpb24ucGRm/h/57f5454dd115b959a05dd41992fbd4f>

Paper name: Theories of Learning

Name of Faculty Member: Alka Dutt

Paper Code: MME422CC, (II.2)

Course and Semester: M.Sc. (Mathematic Education), Sem. II

Links of Books or material to be shared :

[Learning Theories _ An Educational Perspective, 6th Edition \(PDFDrive.com \).pdf](#):

[Book on Theories of development _ concepts and applications \(PDFDrive.com \).pdf](#)

[Transformative learning theory](#)

[cognitive learning theories.pdf](#)

[Putting transformative learning theory into practice.pdf](#)

[./Downloads/Social Learning Theory \(PDFDrive.com \).pdf](#)

Paper name: ICT in Mathematics Education

Name faculty member: Prof. B. Biswal

Paper Code: MME423CC (II.3)

Course: M.Sc. (Mathematics Education), Semester II

Links of books or material to be shared:



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<http://www.docs.is.ed.ac.uk/skills/documents/3722/3722-2014.pdf>
<https://www.rpi.edu/dept/arc/training/latex/class-slides-pc.pdf>
<https://www.tug.org/pracjourn/2005-4/mertz/mertz.pdf>
https://www.scilab.org/sites/default/files/Scilab_beginners.pdf
<http://maxima.sourceforge.net/docs/manual/intromax.pdf>
<https://wiki.geogebra.org/GeoGebra-en-Manual.pdf>
<https://www.education.vic.gov.au/Documents/about/research/blendedlearning.pdf>
<https://unesdoc.unesco.org/ark:/48223/pf0000245122>

Paper name: Learning ways of Mathematical writing

Name of faculty member: Anurag

Paper code: 1913204, MME424CC, (II.4)

Course: M.Sc. (Mathematics Education), Sem. II

Links of books or material to be shared:

1. A primer of mathematical writing by Steven G. Krantz,
<https://epdf.pub/a-primer-of-mathematical-writing-being-a-disquisition-on-having-your-ideas-recor406730e64638687edd5bd1b94179cfae42843.html>
2. Mathematical writing by Franco Vivaldi
<https://drive.google.com/file/d/1vlwerFoHHG-roKYS32TWZNL18qcL6OOB/view?usp=sharing>
<http://www.thinkingwriting.qmul.ac.uk/sites/default/files/shared/files/Mathematical%20Writing%20for%20undergraduates%20Vivaldi.PDF>
3. The language of Mathematics by Frank Tapson
<http://www.cimt.org.uk/journal/ftlangm.pdf>
4. How to write Mathematics by Kevin Houston
<http://www.kevinhouston.net/pdf/htwm.pdf>

Paper name: Art of Teaching Mathematics

Name of faculty member: Dr. Jyoti Sharma

Paper Code: MME425CC (II.5)

Course: M.Sc. (Mathematics Education), Semester II

Links of books or material to be shared:

- http://www.ncert.nic.in/departments/nie/dse/activities/advisory_board/PDF/teaching_maths.pdf
<https://link.springer.com/content/pdf/10.1007%2F978-3-319-32394-7.pdf>
<https://dera.ioe.ac.uk/7800/1/AssessmentforLearning.pdf>
<http://egyankosh.ac.in/bitstream/123456789/46951/1/Unit-8.pdf>
<https://files.eric.ed.gov/fulltext/EJ852364.pdf>
<http://cmc.ihmc.us/cmc2008Papers/cmc2008-p213.pdf>



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Semester IV

Paper name: Understanding mathematical language of ordinary differential equations and complex analysis

Name of faculty member: Dr. Sonam Tanwar

Paper code: IV.1

Course and Semester: M.Sc., Semester IV

Links of Books or material to be shared :

<https://drive.google.com/file/d/19J8lnB9RZzFCxizr9fgtulvPK2t7dayA/view?usp=sharing>

<http://www.math.chalmers.se/Math/Grundutb/CTH/mve025/1415/Dokument/komplexbokBeck.pdf>

Paper: Research Investigations in Mathematics

Name of faculty member: Dr. Jyoti Sharma

Course: M.Sc. (Mathematics Education), Semester IV

Links of books or material to be shared:

<https://files.eric.ed.gov/fulltext/ED572501.pdf>

<https://www.dpmms.cam.ac.uk/~wtg10/importance.pdf>

<https://gtu.ge/Agro-Lib/RESEARCH%20METHOD%20COHEN%20ok.pdf>