



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Office of Academic Research

Coursework Requirement for the Research Scholars admitted into Ph.D/M.Tech. (By Research) Programmes

For Scholars admitted in the year 2020

Ph.D Programme *(5 courses with a minimum of 14 Credits)*

- (i) Research Methodology (Mandatory) - 4 Credits
- (ii) Research and Publication Ethics (Mandatory) – 2 Credits
- (iii) Special Elective - I - 3 Credits
- (iv) Special Elective - II - 3 Credits
- (v) Regular PG course / School Level Taught Course / Online course -
(a minimum of 2 Credits)

Integrated Ph.D. Programme *(9 courses with a minimum of 27 Credits)*

- (i) Research Methodology - 4 Credits
- (ii) Research and Publication Ethics (Mandatory) – 2 Credits
- (iii) Special Elective - I - 3 Credits
- (iv) Special Elective - II - 3 Credits
- (v) Regular PG course (with Embedded Lab) - I
- (vi) Regular PG course (with Embedded Lab) - II
- (vii) Regular PG course - III
- (viii) Regular PG course - IV
- (ix) Regular PG course -V / School level taught course / MOOC course -min. of 2 credits

For Scholars admitted in the year 2019

Ph.D Programme *(4 courses with a minimum of 12 Credits)*

- (i) Research Methodology (Mandatory) - 4 Credits
- (ii) Special Elective - I - 3 Credits
- (iii) Special Elective - II - 3 Credits
- (iv) Regular PG course / School Level Taught Course / Online course - (a minimum of 2 Credits)

Integrated Ph.D. Programme *(8 courses with a minimum of 25 Credits)*

- (i) Research Methodology - 4 Credits
- (ii) Special Elective - I - 3 Credits
- (iii) Special Elective - II - 3 Credits
- (iv) Regular PG course (with Embedded Lab) - I
- (v) Regular PG course (with Embedded Lab) - II
- (vi) Regular PG course - III
- (vii) Regular PG course - IV
- (viii) Regular PG course -V / School level taught course / MOOC course -min. of 2 credits

For Scholars admitted till 2018

Ph.D Programme :

- Four courses with a minimum of 12 Credits
- Please refer the VTOP for various options available.

Integrated Ph.D. Programme

- Eight courses with a minimum of 25 Credits
- Please refer the VTOP for various options available.

Important Guidelines

PG Level courses

- a. The PG level course that is recommended by the DC should not have been studied by the scholars in their PG programme.
- b. The scholar shall attend the classes along with PG students and will be evaluated as per norms of the institute.

Special Electives (Guide paper or Self-study course)

- a. The content for special elective courses (each of 3 credits) shall be decided by the guide concerned and the content will focus on the proposed field of investigation.
- b. Further, these courses shall not be among the existing PG level courses offered by the institution.

School Level Taught Courses

- a. The School Level Taught Course (3 credits) is the common course offered by the school for the research scholars of various guides.
- b. This course will be taught by a faculty, identified by the Dean of the School.
- c. The syllabus of this course should have been approved by Board of Studies (BoS) and passed through the Academic Council.

Online Courses

- a. Online course should be of advanced level from reputed platforms, namely, NPTEL, Coursera, Khan Academy and edX.
- b. The online course proposed by the guide is of Masters level from any of the reputed platforms as mentioned.
- c. The online course is to be of a minimum duration of 8 weeks and it will carry a credit of 2 irrespective of the duration of the course.
- d. The submission of grade sheets as well as certificate to the office of Academic Research is required for forwarding the same to the office of CoE for grade processing.

List of approved School Level Taught courses

Sl.No	Course Code	Title of the Courses	School
1	06RCH501	Applications of Advanced Instruments	SAS
2	06RCH502	Concepts in Chemistry	SAS
3	08RPY502	Concepts in Pharmaceutical Chemistry	SAS
4	STC008	Advanced Statistical Modelling	SAS
5	STC015	Advanced X-ray Diffraction and Electron Microscopy Techniques	SAS
6	STC016	Characterization Techniques and Instrumentation	SAS
7	STC001	Advanced Biochemistry	SBST
8	STC002	Biochromatography	SBST
9	STC003	Cell Biology	SBST
10	STC004	Immunotechnology	SBST
11	STC005	Protein Chemistry and Proteomics	SBST
12	STC017	Advanced DNA Vector Technology	SBST
13	STC018	Transgenic Engineering	SBST
14	STC019	Pharmacology and Toxicology	SBST
15	STC020	Analytical Techniques	SBST
16	STC021	Spectroscopy	SBST
17	STC022	Protein Science, Engineering and Technology	SBST
18	STC023	Tissue Culture Technology	SBST
19	STC024	Advanced Techniques in Human Genetics	SBST
20	STC009	Literary and Linguistic Theory	SSL
21	STC010	An Introduction to Dalit Literature	SSL
22	STC011	An Introduction to Childrens Literature	SSL
23	STC012	Indian Writing in English	SSL
24	STC025	Literary, Linguistic and Language Teaching Theories	SSL
25	STC026	Literary Movements and Genres	SSL
26	STC027	English Language Teaching and Technology	SSL
27	STC028	Micro Economic Theory	SSL
28	STC029	Financial Management	SSL

List of Research Methodology courses

Sl. No.	Course Code	Name of the Course	School
1	RES7001	Research Methodology	SAS
2	RES702	Research Methods for Sciences	SBST
3	RES701	Research Methodology	SCE
4	RES701	Research Methodology	SCHEME
5	RES701	Research Methodology	SCOPE
6	RES701	Research Methodology	SELECT
7	RES701	Research Methodology	SENSE
8	RES701	Research Methodology	SITE
9	RES701	Research Methodology	SMEC

10	RES705	Research Methodology for English	SSL
11	RES710	Research Methodology for Commerce and Social Sciences	SSL
12	RES702	Research Methods for Sciences	VAIAL
13	RES703	Research Methodology for Management	VITBS
14	RES701	Research Methodology	V-SIGN
