

## CIVIL ENGINEERING DEPARTMENT, IIT BOMBAY

### Phd Qualifier Requirement

#### Course Work and Minimum CPI

The course requirement for a student with an M Tech background needs to be raised from 2 courses and one seminar to 3 courses and one seminar. Thus, the minimum credit requirement in general would be 22 (i.e., three courses and a seminar). However, the same number can be reduced to the minimum of 16 credits if the candidate has undergone relevant courses (with good grades) and based on DPGC recommendation.

Every PhD student must maintain a minimum CPI of 7.0 in the course work in order to continue in the PhD programme.

#### Qualifier

For the confirmation of a candidate's PhD registration, a two-stage qualifier as per the following details is recommended.

**Stage-1:** The "credit seminar" will form Stage-1. This should be completed before the end of the first semester of joining. The credit seminar should be oriented towards formulation of the research proposal. It should include identification of the research topic and its importance, literature review and appraisal of current state-of-the-art, gaps in the area and motivation of the proposed work.

The panel of examiners for credit seminar evaluation should involve at least two faculty members in addition to the supervisor. If the grade earned is BC or less then the candidate should be asked to repeat the seminar again within 3 months. This repeat seminar will not have any credits associated with it; however if found unsatisfactory then the candidate should be given a final warning that the next stage i.e PhD Qualifier Examination would be the last chance for continuation of PhD. These inputs will be passed on to the PhD Qualifier Committee.

**Stage-2:** A "PhD Qualifier Examination" will form the Stage-2 of the qualifier. This should be conducted before the end of the second semester of joining. This PhD Qualifier Examination will be a oral examination conducted for evaluation of candidate's aptitude towards carrying out the proposed research work. The knowledge of the candidate in the basic subject areas of the proposed research will be tested by the examiners in the PhD Qualifier Examination. The examination board for this will be named as "PhD Qualifier Committee" consisting of the research supervisor of the candidate and two relevant subject experts. The constitution of this committee needs to be approved by DPGC,

If the PhD Qualifier Examination is unsatisfactory and the candidate has cleared the Stage-1 in 1<sup>st</sup> attempt, then the candidate should be asked to give repeat PhD Qualifier Examination within 3months. This repeat PhD Qualifier Examination would be the last chance for continuation of PhD.

If the PhD Qualifier Examination is unsatisfactory and the candidate has passed the Stage-1 in 2<sup>nd</sup> attempt then the candidate will have to discontinue. There will not be any repeat PhD Qualifier Examination in this case.

The confirmation of the PhD program should be done after successful completion of the above two stages of assessment. The entire process of confirmation (i.e., course work and qualifier) should be completed within a maximum time of 1 year 3 months from the date of joining of the Ph.D. scholar.

### **\*Phd Qualifier Requirement for students converting from M.Tech program to PhD**

M.Tech. student should have minimum BB or more in seminar and CPI of 7 or more in coursework for conversion into M.Tech – PhD dual degree programme. Such students have to only clear the stage 2 qualifier examination for confirmation of their registration. The student has to appear for PhD qualifier examination within 6 months of the date of conversion from MTech to PhD and should complete it within a maximum period of 9months from the date of conversion.

### **Interpretations related to Phd Qualifier as per the DPGC meetings dated 20<sup>th</sup> July 2016**

**For Regular PhD Students:** (1) The existing two stage evaluation procedure (i.e., Stage-1: Credit seminar, and Stage-2: PhD qualifier exam) should be continued as per the regular procedure. (2) For stage-2 of PhD qualifier exam, proposal form should be submitted by the candidate (in consultation with supervisor) to the DPGC convener, 45 days in advance to the proposed date of qualifier exam. (3) PhD APS should be conducted as per the regular procedure, even if the candidate gets a second chance for repeat qualifier (because of unsatisfactory performance during the 1<sup>st</sup> attempt of 2<sup>nd</sup> Stage qualifier).

**For Students converting from M.Tech. programme to PhD programme:** (1) It is suggested to encourage the interested M.Tech. students to covert to PhD programme immediately after 1<sup>st</sup> stage MTP presentation and complete their research proposal presentation well before the deadline of 30<sup>th</sup> June. (2) For the purpose of conducting qualifier examination, the date of conversion will be taken as the date of research seminar. (3) The student should appear for PhD qualifier examination within 6 months from the date of research seminar (conversion date), and the candidate should complete it within a maximum of 9 months from date of research seminar (conversion date), if the candidate fails in 1<sup>st</sup> chance of qualifier.

**Note:** All the rules related to Phd are in adherence with the academic rules.