

**PHD-EM DQE Policy, Procedure and
Additional Department Requirements**

**CENTER FOR ADVANCED STUDIES IN
ENGINEERING (CASE)**



Wednesday, April 25, 2012

Abbreviations:

DQE ~ Doctoral Qualifying Exam
CASE ~ Center For Advanced Studies In Engineering
EM ~ Engineering Management

Note:

- Any point not explicitly covered in this policy will be dealt according to decision from Chairman EM at CASE.

Applicability:

- This policy is applicable to all of its direct (such as students) and / or indirect stakeholders (such as relevant faculty and staff members at CASE, Etc).
- Students are required to understand policy and its implementation in detail. There are no exclusions.

Scope:

- This policy explains the following:
 - Additional requirements of DQE exam (imposed by department of EM) other than those imposed by HEC, UET and CASE in their respective PhD policies.
 - The exam of DQE.
 - The additional eligibility criteria of DQE exam imposed by department of EM.

Relevant Policy As Defined at CASE:

- DQE - I & II must be completed within 2 years time. There will be maximum 2 chances for qualifying each.
- DQE - I can be taken any time during the allowed time limit, however DQE - II must be taken after completion of 18 credit hours of course work.

EM DQE Exam Eligibility:

- PART 1:
 - For student who have completed MEM from CASE :
 - Student must have CGPA > 3.5. This does not mean CGPA of MEM only. CGPA means cumulative CGPA of the student, as on the transcript at the time, when student wishes to undertake DQE part 1.
 - Students with two 'C' grades in PhD course work at CASE cannot appear in DQE Part 1.
 - For students who have been MEM student of CASE but wish to take DQE before completing first course of their PhD:
 - Such students cannot undertake DQE Part 1 till they complete the following courses:
 - Research Methodology for Engineering Managers
 - Business Communication for Technical Managers
 - In case, if students have already taken the mentioned courses in MEM then their CGPA of MEM will be considered for eligibility.
 - For students who are direct entrants in CASE PhD program, but have completed their MSc (18 years) from other universities:
 - Students who are direct entrants cannot undertake DQE Part 1 till they complete at least 4 core courses of their PhD including at least the following:
 - Research Methodology for Engineering Managers
 - Business Communication for Technical Managers
 - Student CGPA at CASE must be > 3.5.

PHD-EM DQE Policy and Additional Department Requirements

- Students with two 'C' grades in PhD course work at CASE cannot appear in DQE Part 1.
- PART 2: Student can only appear for part 2 after successfully passing part 1 of DQE exam.

EM DQE Exam Passing Criteria:

- PART 1: Student must secure at least 60% marks in order to pass DQE Part 1 exam.
- PART 2: Student must secure at least 60% marks in order to pass DQE Part 2 exam.

Exam Format:

- PART 1:
 - 7 questions will be given to students each having two parts.
 - Student will have to attempt one part out of two for every question.
 - The 7 questions will be from each of the following courses:
 - Management of Technical Organizations and Practices
 - Engineering Project Management
 - Problem Solving and Decision making in Engineering Management
 - Quality Improvement in Technical Concerns
 - Finance for Technical Managers
 - Research Methodology for Engineering Managers
 - Business Communication for Technical Managers
 - All questions will be of 10 marks each.
 - Exams will be closed book.
 - Duration: The paper will be of 3 hours. Students can expect that each question will consume at least 20 minutes; however, there are no hard and fast rules in this regard.
 - Total marks of DQE Part 1: 70
- PART 2:
 - Part a – Student will be required to explain the possibilities of research.
 - Marks: 10
 - Duration: 5 to 10 minutes
 - Part b – Student will be required to give 15 minute presentation against the selected literature (selected and proposed by the supervisor of the student). Student would be able to get literature from the exam branch.
 - Marks: 10
 - Duration: 15 minutes for presentation and 5 minutes for question and answers.
 - Part c – Interview questions from student's previous course work at CASE.
 - Marks: 10
 - Duration: 15 minutes
 - Total marks of DQE Part 2: 150 (30 * 5 {examiners})

General Guidelines:

- PART 1:
 - All relevant policies of the CASE exam branch apply on students appearing for the part 1 exam.
- PART 2:
 - Student has to get in touch with the exam branch directly, before the DQE exam for the selection of presentation topic.
- **Note: Failure to pass DQE in two attempts will result in admission cancellation.**
- **In case of confusions student is advised to email his concern to Program Manager-EM CASE.**