



**ALIGARH MUSLIM UNIVERSITY**

# **ORDINANCES (ACADEMIC)**

**Under the  
A.M.U. (Amendment) Act, 1981**

*(Amended upto January, 2015)*

**\*REGULATIONS**  
**for**  
**STEM-ER Dual Degrees Research Programme**  
**Under a Joint Collaboration Project between**  
**The Aligarh Muslim University (AMU), India and Ohio State University (OSU),**  
**USA**

**1. Introduction**

Students pursuing Ph.D Programme at AMU in the Faculties of Science, Life Sciences, Engineering & Technology and Interdisciplinary Biotechnology Unit and admitted to the joint collaborative programme, namely: the STEM-ER \* (Science, Technology and Engineering and Mathematics – Education and Research) Programme under these Regulations shall continue to be governed by Chapter XXV(B) of Ordinances (Academic) and the “Regulations for M.Phil/Ph.D Courses” (2013) framed for the purpose - except in respect of these regulations applicable to the students of Dual Degree Research Programme. **The TWO degrees (M.Ed in STEM-ER from OSU, USA and Ph.D from AMU) shall be awarded together.**

**2. Eligibility**

This programme shall be available to Ph.D students of Aligarh Muslim University belonging to the Faculties of Science, Life Sciences, Engineering & Technology and Interdisciplinary Biotechnology Unit, and those who have qualified the TOEFL (Test of English as Foreign Language) (or IELTS: International English Language Testing System) examination with the minimum score of 79 (7).

**3. Admission**

**(i) Application for Admission:** The research students already admitted to Ph.D Programme, selected on the basis of competitive test followed by interview at AMU and fulfilling the eligibility conditions as given in Clause ‘2’ above, shall submit applications to the Convener STEM-ER Programme at AMU; or as prescribed by the Controller of Examinations, AMU; complete with the following documents:

- (a) Transcript (preferable)/Marks Sheet of the Qualifying Examination (M.Sc./M.Tech);
- (b) Proof of admission in Ph.D program at AMU;
- (c) A brief outline of the Research plan ( also refer OSU Graduate School Website <http://www.gradsch.osu.edu>);
- (d) A letter of recommendation from the AMU supervisor specifically mentioning the progress of the student;
- (e) TOEFL (IELTS) examination results (minimum required TOEFL (IELTS) Score shall be 79 (7));
- (F) A letter of agreement by the matching supervisor from OSU;
- (g) A brief resume with contact no. and E-mail .I.D.

**(ii) Short Listing and Final Selection :**

- (a) A total number of candidates which may be Six (06) times of the available seats shall be short listed out of merit drawn based on their performance in the following:
  - (i) TOEFL (IELTS) Score reduced to 25 points;
  - (ii) Aggregate marks at M.Sc./M.Tech. examination reduced to 50 points;

- (iii) Marks obtained by candidates in interview conducted by the concerned department at the time of admission to Ph.D Programme reduced to 25 points.
  - (iv) In case the number of applicants is less than six times of the available seats, all applications shall be forwarded to the OSU for final selection.
- (b) As far as possible, out of short-listed candidates there shall at least be 40% female candidates. Not more than two (2) male and two (2) female candidates shall be short listed from any one department of studies.
  - (c) The final selection of four (2 male and 2 female) subject to amendments from time to time by AMU, India and Ohio State University, USA, students shall be made on the basis of an interview conducted by the OSU Faculty through video-conferencing at AMU.
- (iii) **Admission to M.Ed (STEM) Programme:** The Board of Studies (BOS) of the concerned Department/Centre and Committee of Advance Studies and Research (CASR) of the concerned Faculty at AMU shall consider the candidates selected for admission to STEM-ER through the above procedure. The BOS and the CASR shall consider the following:
- (a) The name of the joint supervisor of the candidate from the OSU;
  - (b) The final topic of the Ph.D work on the recommendations of two supervisors.
  - (c) The change of Ph.D topic, on the recommendation of the two supervisors or on the request of the candidate;
  - (d) The permission to candidate to receive instructions and training for research and teaching in STEM subjects at OSU for two semesters;
  - (e) Permission to candidates to fulfil the requirements and receive an additional degree of Masters of Education with specialization in STEM education from the OSU.

**4. Supervision**

The students shall work under the joint supervision of a local supervisor from AMU and the other from OSU.

**5. Course Work**

The students shall complete the requirement of course work as laid down in Chapter XXV(B) of the Ordinances (Academic). In addition to the above they shall undertake course work for 2-semester as specified by the OSU. In case of a candidate failing in the M.Ed-ER examination of OSU, the Academic Council of AMU shall decide the further course of action on the basis of recommendations from OSU, USA.

Students, who at the time of admission to STEM Programme could not complete the course work prescribed by the BOS at AMU, may be allowed to take suggested reading of the course work followed by examination.

Residency of a candidate at OSU may be extended by a maximum period of six months in case of reason(s) to the satisfaction of the OSU advisor by the Graduate School Curriculum (GSCC) of OSU without any financial implications on the part of AMU.

**6. Duration of the programmes**

**(a) Minimum Duration**

The minimum duration of the programmes shall be three (03) consecutive years after admission.

**(b) Maximum Duration**

The maximum duration of the programmes shall be six (06) consecutive years after admission.

**7. Examination**

The Ph.D thesis of the candidates shall be evaluated by FOUR examiners: the Supervisor at AMU; the joint supervisor at OSU; and TWO external examiners. The Joint supervisor from OSU may also join viva-voce examination through Video Conferencing if he/she so desires.

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\* The AMU and the Ohio State University, Columbus, Ohio, USA in order to promote cooperation in higher education, have entered into a formal agreement, pursuant to the award of the grant by the United States India Education Foundation (USIEF), to form joint partnership under the Obama-Singh 21<sup>st</sup> Century Knowledge Initiative, which became effective from 15 July 2013. The present USIEF grant is available to 4 students (2 male and 2 female) subject to amendments from time to time by AMU, India and Ohio State University, USA, along with the tuition fee waiver from the OSU. The STEM-ER Programme is likely to continue in future also.