



## COMMUNITY OF PHYSICS DIVISION OF ADMINISTRATION

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# FACULTY MEMBERSHIP RULES AND REQUIREMENTS

## INTRODUCTION

Faculty membership recruitment is one of the most crucial process that ensure long-term sustainability and academic standard of Community of Physics. Here we explain rules, requirements and possible pathways that a candidate can follow to become a part of our intellectually stimulating atmosphere.

## DIVISIONAL REQUIREMENTS

### DIVISION OF ADMINISTRATION

1. Prospective faculty member must complete the 'Management and Professional Development (MPD)' course, offered by Community of Physics, with a satisfactory grade<sup>1</sup>. Candidate with necessary skills<sup>2</sup> may be waived out from several classes upon the approval of Division of Administration.
2. Prospective faculty member must maintain a professional, yet friendly, relationship with the existing members of Community of Physics for a semiannual term in minimum<sup>3</sup>.

### DIVISION OF ACADEMICS

1. Candidate must remain engaged in academic activities or a combination of academic and research activities for 2 years equivalent<sup>4</sup> in minimum.

### DIVISION OF EXPERIMENTATION

1. Candidate must maintain a double work-load<sup>5</sup> for a semiannual term in minimum.

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<sup>1</sup> A minimum of 80% marks after dropping 3 lowest scores.

<sup>2</sup> Proof of obtaining the skills must be submitted and verified.

<sup>3</sup> Typically, this requirement can be fulfilled by getting engaged in the activities of Division of Academics.

<sup>4</sup> Four quartiles in total.

<sup>5</sup> Two quartiles of academic activities or a combination of academic and research activities in a semiannual term.

## STANDARD TRACKS FOR FACULTY MEMBERSHIP

### TRACK 1: UNDERGRADUATE STUDENTS ONLY

1. In a semiannual term, spanning from January to June, the candidate must get enrolled in 'Prelude to Natural Philosophy (PNP)' and show their interest in physics.
2. In the subsequent semiannual term, spanning from July to December, the prospective faculty member must get enrolled in 'First Quartile' of an 'Academic Schooling' course<sup>6</sup>, offered by Division of Academics, and obtain a satisfactory grade<sup>7</sup>.
3. In the first semiannual term of the subsequent calendar year, spanning from January to June, the candidate must get enrolled in the 'Management and Professional Development (MPD)' course and 'Second Quartile' of the same 'Academic Schooling' course of previous semiannual term, and complete both courses with their corresponding satisfactory grades<sup>1,7</sup>.
4. Candidate must submit three letters of recommendation to the 'Faculty Member Recruitment Committee', two letters from the Division of Academics and one letter from the Division of Administration.
5. Upon acquiring approval from the 'Faculty Member Recruitment Committee', the candidate joins Community of Physics as a 'Faculty Member' on the event of 'Annual General Meeting (AGM)' in June of the respective year.
6. Track 1 Faculty Members can join any research group immediately by fulfilling the additional requirements of the corresponding research group.

### TRACK 2: POST-SOPHOMORE UNDERGRADUATE STUDENTS AND PRE-DOCTORAL GRADUATE STUDENTS

1. In a semiannual term, spanning from January to June, the candidate must get enrolled in 'Contemporary Natural Philosophy (CNP)' and prepare himself for the corresponding 'Professional Training'<sup>8</sup> course. In parallel with CNP, the candidate must get enrolled in the 'Management and Professional Development (MPD)' course and complete the course with satisfactory grades<sup>1</sup>.
2. In the subsequent semiannual term, spanning from July to December, the prospective faculty member must get enrolled in 'First Quartile' of an 'Academic Schooling' course<sup>9</sup>, offered by Division of Academics, and the 'Professional Training' course for which he had prepared himself

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<sup>6</sup> Scope is limited to the Classical Mechanics and Classical Electromagnetism courses only.

<sup>7</sup> A minimum of 50% marks on an average from the aggregate of class attendances, homework, comprehensive exams and final exam.

<sup>8</sup> A brief course, consisting only one quartile and accomplishes professional goal, e.g.: fulfill the requirement of a research group.

<sup>9</sup> Scope is limited to the Classical Mechanics and Classical Electromagnetism courses only.

in the previous semiannual term, and complete both courses with their corresponding satisfactory grades.<sup>1,10</sup>

3. Candidate must submit three letters of recommendation to the 'Faculty Member Recruitment Committee', one letter from the Division of Experimentation, one letters from the Division of Academics, and one letter from the Division of Administration.
4. Upon acquiring approval from the 'Faculty Member Recruitment Committee', the candidate joins Community of Physics as a 'Faculty Member' on the event of 'Semi-annual Meeting (SAM)' in December of the respective year.
5. Track 2 Faculty Members automatically fulfill the course requirements of a particular research group in (2) and join that research group immediately upon vacancy.

### TRACK 3: POST-DOCTORAL RESEARCHERS AND PROFESSIONALS

1. Track 3 Faculty Membership is more flexible than the previous two. Candidate can follow any of the two following options.
  - a. *Option 1*
    1. In a semiannual term, spanning from January to June, the candidate may instruct the 'Second Quartile' or 'Fourth Quartile' of any 'Academic Schooling' course. In parallel, the candidate must get enrolled in the 'Management and Professional Development (MPD)' course and complete the course with satisfactory grades<sup>1</sup>.
    2. In the preceding or subsequent semiannual term, spanning from July to December, the candidate must get involved in their research with the Division of Experimentation. In addition, the candidate may follow or instruct a 'Professional Training' course of their interest or instruct the 'First Quartile' or 'Third Quartile' of any 'Academic Schooling' course.
  - b. *Option 2*
    1. In a semiannual term, spanning from January to June, the candidate may get involved in their research with the Division of Experimentation. In parallel, the candidate must get enrolled in the 'Management and Professional Development (MPD)' course and complete the course with satisfactory grades<sup>1</sup>.
    2. In the preceding or subsequent semiannual term, spanning from July to December, the candidate must instruct the 'First Quartile' or 'Third Quartile' of any 'Academic Schooling' course. In parallel, the candidate may continue their research with the Division of Experimentation or follow or instruct a 'Professional Training' course of their interest.

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<sup>10</sup> In Professional Training course, satisfactory grade is a minimum of 80% marks after dropping 4 lowest scores.

2. In all cases mentioned above, candidate must reflect expected professionalism.
3. Altering steps (1) and (2) may alter the priorities.
4. Track 3 Faculty Membership is also applicable to the pre-doctoral graduate students having an affiliation with the Division of Experimentation formerly.
5. Upon acquiring approval from the 'Faculty Member Recruitment Committee', the candidate joins Community of Physics as a 'Faculty Member' on the event of 'Annual General Meeting (AGM)' in June or 'Semi-annual Meeting (SAM)' in December of the respective year.
6. Upon verification of eligibility, Track 3 Faculty Member can create a new research group or offer a new professional training course of their interest.

## DIVISIONAL RULES FOR STANDARD AND NON-STANDARD TRACKS

### DIVISION OF ADMINISTRATION

1. Prospective faculty member must maintain academic or research activities of one quartile equivalent in each of the semiannual terms in minimum.
2. Candidate must not change the track after getting enrolled in one and must complete all the requirements imposed by the divisions within two years.
3. Candidate must not maintain two different standard tracks for faculty membership at the same time.
4. To follow a non-standard track<sup>11</sup>, candidate must acquire approval from the Division of Administration.

### DIVISION OF ACADEMICS

1. Prospective faculty member must acquire approval from the Division of Academics to get enrolled in academic activities of three quartile equivalent in a single semiannual term.
2. Candidate must not get enrolled in academic activities more than three quartile equivalent in a single semiannual term.

### DIVISION OF OUTREACH

1. Prospective faculty member must not get involved in any outreach activities representing themselves as a part of Community of Physics.

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<sup>11</sup> A membership track that fulfills all requirements imposed by the divisions but does not overlap entirely with any of the standard tracks.