



UNIVERSITY OF COLOMBO

FACULTY OF GRADUATE STUDIES

Postgraduate Diploma in Manufacturing Management (PGDip MM) Leading to Masters in Manufacturing Management (MMM)

By-Laws

2018

Approved by the Council

Meeting No 549

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UNIVERSITY OF COLOMBO
FACULTY OF GRADUATE STUDIES

POSTGRADUATE DIPLOMA IN MANUFACTURING
MANAGEMENT Leading to
Masters in Manufacturing Management
PG Dip MM leading to MMM

*By-Laws made by the Council of the University of Colombo under section 135 of the
Universities Act No. 16 of 1978 and its subsequent amendments*

Whereas the University of Colombo has been conducting the programme leading to the Postgraduate Diploma in Manufacturing Management since 2004, under its By-Laws made in that year;

Whereas the University Grants Commission has published Sri Lanka Qualification Framework (SLQF) norms, duration, credit points, etc, of different levels of academic qualifications and has impressed upon the University to revise the existing programmes to bring them in line with the requirements in the published Qualifications Framework;

Whereas it has become necessary to revise and revamp the programme leading to the Postgraduate Diploma in Manufacturing Management to bring it on par with the requirements laid down in the Sri Lanka Qualifications Framework as updated and published by the University Grants Commission in 2015;

Whereas a new batch of students has been admitted to the University under curriculum which has already been approved by the Faculty Board of the Faculty of Graduate Studies (FGS), the Senate and the Council of the University of Colombo in terms of which approval the students have been following the said revamped and revised programme leading to the Postgraduate Diploma in Manufacturing Management and;

Whereas it has become necessary to enact By-Laws to prescribe the revised and revamped curriculum and other provisions including those relating to procedural and substantive aspects of the programme.

The Council of the University of Colombo on the recommendation of the Senate and the Faculty Board of the Faculty of Graduate Studies of the University of Colombo make the following By-Laws.

By-Laws

1. These By-Laws may be cited as the Postgraduate Diploma in Manufacturing Management leading to Masters in Manufacturing Management (PGDip MM leading to MMM) No 03 of 2019

1.1. These By-Laws shall be deemed to have come into operation with effect from
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PART I – GENERAL

2. Subject to these By-Laws, a person may be awarded the Postgraduate Diploma in Manufacturing Management (hereinafter referred to as PGDip MM Degree) or Master in Manufacturing Management (hereinafter referred to as MMM Degree) as the case may be if he/she has:
 - a) been duly registered for the programme for the period prescribed by these By-Laws;
 - b) pursued the programme of study in the University to the satisfaction of the Vice-Chancellor as prescribed by these By-Laws, and other Regulations and Rules of the University;
 - c) satisfied the examiners on all forms of assessment including continuous assessments (such as assignments, etc.), semester-end examinations;
 - d) paid the registration, tuition, supervision, examination library and other fees and deposits as may be payable by her/him to the University;
 - e) ensured that the registration continues to be in force; and
 - f) fulfilled all other requirements prescribed by these By-Laws and the Regulations and Rules of the University
3.
 - 3.1. Applications for registration for the programme leading to the PGDip MM/MMM Degree shall be invited by notice in the newspapers and/or on the University notice board and/or on-line through the website/internet.
 - 3.2. A person who wishes to follow the programme leading to the PGDip MM/MMM Degree shall make an application through the conventional and/or on-line mode to the Registrar when the said programme is advertised.
 - 3.3. The application shall be on the prescribed form providing the information as she/he shall be required to submit, including her/his qualifications for undertaking the programme of study.

4. There shall be two Coordinators for the postgraduate and master study programmes and they shall be appointed by the Dean of the Faculty of Graduate Studies (FGS).
5. The relevant Registrar in charge of the subject shall refer the applications received to the Coordinator of the programme. The Coordinator, having examined the applications for necessary minimum qualifications, shall call the eligible candidates for a selection test and an interview to be conducted by a panel including the Dean/FGS, and the Programme Coordinator on which selections may be made. The list of candidates so selected shall be recommended to the Senate through Board of Studies of Professional Studies (BSPS) and Faculty Board of FGS (hereinafter referred to as the Faculty Board).
6. No candidate shall be eligible for admission to the PGDip MM/MMM Degree, unless she/he has the following requirements as per the SLQF 2015.
 - I. A Bachelor's degree from a recognized University/Institution with manufacturing allied subject area
OR
 - II. Any other Bachelor's degree, with prior learning/work experience manufacturing allied subject area
OR
 - III. Professional qualification in manufacturing allied subject area from a recognized professional body which is acceptable to the Faculty Board and Senate of University with prior learning/work experience in manufacturing allied subject area.
OR
 - IV. Completion of NVQ level 7 (equivalent to Bachelor's degree in SLQF) with relevant work experience in manufacturing allied subject area as determined by the Faculty Board and Senate of the University.

And

a good knowledge of English language and satisfactory performance at a selection test and/or interview.

Each application under clause (IV) shall be considered on its merit.

In the case of MMM Degree, the essential admission condition is the successful completion of the PGDip MM programme.

7. If the number of persons who have applied and/or who are registered for the study programme in any given academic year is not sufficient, in the opinion of the Faculty Board, to make the conducting of the study programme financially viable, the Faculty Board reserves the right not to conduct the programme, subject to the University refunding any fees except the application fees, that may have been received from applicants.

8.

- 8.1. On acceptance of the candidature by the Faculty Board and the Senate, a person shall forthwith register as a postgraduate candidate for PGDip MM/MMM Degree of the University upon payment of the prescribed registration, tuition, examination, library and other fees and/or deposits.
 - 8.2. Unless otherwise decided by the Faculty Board of FGS, the minimum Period of registration for the PGDip MM/MMM Degree programme shall be one academic year, and the maximum period shall not exceed three academic years counted from the date of commencement of the programme. The initial registration for the Diploma or Master as case may be (herein after referred to as first period of registration) shall be valid for an academic year from the date of commencement of the programme.
 - 8.3. The registration for the PGDip MM/MMM Degree shall be deemed to have lapsed at the expiry of its period of validity. A candidate whose registration has so lapsed may renew her/his registration for a further period of another academic year subject to Clause 17.3, provided the BSPS and the Faculty Board considers her/him eligible for such registration. However, no registration shall be renewed after the expiry of two academic years from the end of the first period of registration. Any such candidate may seek registration for the PGDip MM/MMM Degree as a fresh candidate if she/he failed to obtain the PGDip MM/MMM Degree after the expiry of the maximum period of registration (three years), in competition with new applicants under the rules in force at the time of seeking such fresh registration.
 - 8.4. Notwithstanding anything stated to the contrary, the University shall have the right to cancel at any time the registration of a candidate for the programme after due process and for cause assigned.
 - 8.5. A person who is registered as a candidate for the programme shall devote his/her time to his/her studies at the University.
9. No student shall keep away from participating at classes (lectures, discussions, seminars) or leave the island, or withdraw from examination or a classroom test whether conducted through the conventional mode and/or information communication technology driven on-line mode or a combination of multi-modes, without prior approval from the Faculty Board of the Faculty of Graduate Studies.

PART II

STRUCTURE OF THE PROGRAM

10.

10.1. The programme of study leading to the PGDip MM Degree, unless otherwise decided by the Senate on the recommendation of the Faculty Board for special reasons, shall be one academic year with eight (08) courses of 30 total credits, offered in two semesters. In the case of the MMM Degree the schedule shall be one academic year with four (4) taught courses and a dissertation of 15 credits amounting to a total of thirty one (31) credits, offered in two semesters. Thus the overall credit value of MMM Degree will amount to sixty one (61) credits since the PGDip MM Degree embodies the first year of MMM Degree programme.

10.2. The titles of courses, syllabi, course codes, credit points and other details are those set out in the schedule and the Senate shall have power, on the recommendation of the Faculty Board to amend, add to, delete from or vary the courses, their titles, syllabi, course codes, credit points and other details of the programme. Such amendments shall come into effect after due notice.

11. The Programme of Study and Examinations leading to the PGDip MM/MMM Degree shall be conducted in the conventional mode and/or through the information communication technology driven on-line mode or a combination of multi-modes and these By-Laws, and other relevant By-Laws, Rules and Regulations passed by the University shall be so applied and interpreted in order to facilitate the effective conduct of the study programme without compromising its integrity and quality.

12. The medium of instruction and examination shall be English.

13. The Senate, on the recommendation of the Faculty Board shall appoint a Board of Examiners to conduct examinations and assess the performance of candidates.

PART III
SCHEME OF EVALUATION AND
CRITERIA FOR PASS, MERIT, DISTINCTION

14.

- 14.1. Each course shall carry a maximum of 100 marks. The evaluation of a candidate's performance at each of the courses shall take the form of continuous assessments and end-of-semester written examinations.
- 14.2. In each of the courses 40 percent of the maximum mark shall be based on continuous assessments which assess the performance of the candidate at assignments, class-room tests, quizzes, reports, discussions, seminars, oral presentations etc.
- 14.3. The balance 60 percent of marks shall be used for assessing the performance of the candidates at the end of semester closed book written examination in an examination hall setting.

15.

- 15.1. Candidates may be evaluated in respect of continuous assessments by the teachers concerned.
- 15.2. The end of semester written question papers of the courses shall be prepared, as far as possible, by the relevant teachers and moderated by an expert of the subject.
- 15.3. The examination of written answer scripts of the end of semester examinations shall be assessed by two independent examiners appointed by the Senate, on the recommendation of the Faculty Board.

- 16. The End-of-Semester Examination of each Semester shall be held as far as possible at the end of the relevant Semester, unless the Senate on the recommendation of the Faculty Board, decides otherwise.

17.

- 17.1. A candidate shall take the End-of-Semester Examination at the very first occasion when it is held for the Semester after the completion of lectures and other forms of instruction.
- 17.2. Any candidate who fails to take the End-of-Semester Examination at the very first occasion when it is held for the Semester after the completion of lectures and other forms of instruction shall, unless excused on medical grounds or any other valid grounds acceptable to the Senate on recommendation of the Faculty Board, be deemed to have exhausted an attempt at taking the Examination when calculating the total number of attempts at which a candidate can take the Examination.

17.3. No candidate shall be eligible to take the End-of-Semester Examination on more than three occasions (attempts) and in calculating the number of occasions (attempts) a candidate is eligible to take the Examination, the deemed attempt as referred to in sub-Clause (17.2) above shall also be taken into account.

18.

18.1. A person shall not be permitted to take the End- of Semester examination unless she/he has:

- (i) duly registered as a PGDip MM/MMM Degree candidate from the commencement of the academic year for which the examination is held;
- (ii) satisfied the attendance requirements at lectures, seminars etc. as prescribed by the Faculty Board of FGS.
- (iii) has ensured that she/he has paid the necessary examination fees and made other payments to the University duly in respect of the entire Examination or those courses which he/she has been required to take, as the case may be;
- (iv) registered with the Examinations Branch of the University for the Examination she/he intends to take.
- (v) duly applied for the examination in accordance with the prescribed manner.

18.2. A candidate shall be issued the relevant admission card by the University to enter the Examination Hall where the End-of-Semester Examination is held once he/she satisfies the requirements mentioned in Clause 18.1 above.

18.3. All rules relating to the examinations and assessments as contained in the Examination Procedure, Offences and Punishment Regulation No. 1 of 1986, and its subsequent amendments shall *mutatis mutandis* apply to the PGDip MM/MMM Degree examinations as well.

18.4. Without prejudice to the generality of the Regulation No. 1 of 1986, rules relating to the different forms of on-line assessment and Class Room Tests shall be formulated and implemented by the Coordinator and the relevant course module teacher.

18.5. Any matters relating to such rules shall be decided by the Faculty Board on the recommendation of the Coordinator and the Board of Studies of Professional Studies. Such rules may vary from course to course as well as from year to year. Such rules shall be tabled at the Faculty Board as soon as possible.

18.6. No change of these rules can take place without giving adequate notice to the candidates of the programme.

19.

19.1. Rules relating to assignments, presentations, class-room tests and other examinations shall be announced, from time to time, by the programme Coordinator in consultation with the teachers and Dean of the Faculty with the approval of the BSPS and Faculty Board and such rules shall not be changed or revoked unless otherwise decided by the Faculty Board.

19.2. The Senate, on the recommendation of the Faculty Board, shall have the power to set down the rules governing the conduct of examinations and assessments as well as to deal with any situation for which rules have already not been made.

20.

20.1. Each of the eight (08) taught courses of PGDip MM and each of the four (04) courses of MMM Degree shall carry a maximum Grade Point Value (GPV) of 4.00.

20.2. A candidate's performance in each of the courses shall be graded according to the following scheme and the calculation of Grade Point Average (GPA) is carried out considering the Grade Point Value for each such courses and Credits allocated accordingly.

Scheme of Assessment

Range of Marks	Grade	Grade Point Value	Pass/ Not completed
90-100	A ⁺	4.00	Distinction
80-89	A	4.00	
75-79	A ⁻	3.70	
70-74	B ⁺	3.30	Merit
65-69	B	3.00	Pass
60-64	B ⁻	2.70	
55-59	C ⁺	2.30	Not Completed
50-54	C	2.00	
45-49	C ⁻	1.70	
40-44	D ⁺	1.30	
30-39	D	1.00	
00-29	E	0.00	

(Source: UGC Circular No. 901)

$$GPA = \frac{\sum_{i=1}^n GPV_i C_i}{\sum_{i=1}^n C_i}$$

Where GPV_i and C_i are the Grade Point Value earned and credit values allocated respectively for the n^{th} courses. Any calculated GPA shall be rounded to the second decimal place.

21. A candidate shall be deemed to have been successful at the examination leading to the award of the PGDip (MM) Degree if she/he obtains a GPV of 2.70 or above for each of the courses totaling upto 30 Credits. In the case of MMM Degree a candidate shall be deemed to have been successful at the examination leading to the award of the MMM Degree if she/he obtains a GPV of 2.70 or above for each of the courses totaling upto 16 Credits and the Dissertation of 15 Credits.
22. A candidate who has been successful at the examination leading to the award of the PGDip MM Degree or MMM Degree as applicable, may be awarded a Distinction Pass at the examination if she/he obtains a Grade Point Average (GPA) of not less than 3.70 during the first period of registration.
23. A candidate who has been successful at the examination leading to the award of the PGDip MM Degree or MMM Degree as applicable, may be awarded a Merit Pass at the examination if she/he obtains GPA of not less than 3.30 and not more than 3.69 during the first period of registration.
24.
 - 24.1. A candidate shall be deemed to have an incomplete result in one or more taught courses of the PGDip MM programme or MMM programme as applicable, if she/he obtains a GPV of less than 2.70 in the taught courses.
 - 24.2. A candidate who has incomplete result having obtained a GPV of less than 2.70 in any taught course/s during a particular semester shall repeat the written examinations of the respective courses at the next available occasion. Such candidates shall be given the option of carrying forward the continuous assessment marks earned for that respective course module conducted during the particular semester.
 - 24.3. A candidate who obtains a GPV of less than 2.70 in the Dissertation shall be considered being incomplete and unsuccessful in the Dissertation and shall re-submit the dissertation within a period of one year.
 - 24.4. A candidate who has an incomplete result may successfully complete the examinations, including the Dissertation where it is applicable, leading to the MMM Degree if she/he satisfies the requirements prescribed in section 21 above.
25. A candidate with incomplete results shall be eligible for two further attempts provided she/he has a valid registration. She/he shall take the courses in which she/he has been unsuccessful on the very next occasion when the examination is held provided that she/he is eligible to take the examination.

26. The University shall announce through notification the names of candidates who have passed the PGDip MM/MMM examination and those who have incomplete results in the PGDip MM/MMM examination after completing the whole examination.
27. Candidates who intend to continue higher studies for Masters level by applying for admission for Masters in Manufacturing Management programme (MMM Degree) shall not be awarded the Postgraduate Diploma in Manufacturing Management Degree as the academic year of the postgraduate level has been considered equivalent to the semester I and II of the Masters Programme.

PART IV MISCELLANEOUS

28.

- 28.1. The fees for application, tuition, examination and repeat examination, library facilities shall be determined from time to time by the Council of the University. The fees paid shall under no circumstances be refunded, except under section 7 of these By-laws.
- 28.2. There shall be additional fees charged from repeat candidates as determined by the Faculty Board and the Council depending on the expenses to be incurred by the University to service their repeat attempts in the instruction and examination processes.
- 28.3. The fee payable for a certificate or statement of results or transcripts shall be determined by the Council.
- 28.4. A fee shall be charged for replacement of a lost student identity card or lost library card at rates determined by the Council.

PART V TRANSITIONAL PROVISIONS

29.

- 29.1. Notwithstanding anything contained in these By-Laws, the candidates who have already been registered under the provisions of the By-Laws of PGDip MM/MMM No. 1 of 2004 shall be entitled to continue their programme under and subject to those provisions. To that extent the provisions of the PGDip MM/MMM By-Laws of 2004 shall be operative temporarily.
- 29.2. Any candidate who has already been registered for the PGDip MM/MMM programme under the 2004 By-Laws shall enjoy a transition period of three years within which they shall be governed by those provisions to complete their programme according to the requirements of the PGDip MM/MMM programme.
- 29.3. The candidates who have been registered for the PGDip MM/MMM programme under the 2004 By-Laws and who have not successfully completed the requirements for the award of the PGDip MM Degree or MMM Degree as applicable, under those provisions (the 2017 programme) may within a period of one year from these By-Laws come into effect apply to the University that they be considered for transfer to the programme under the present By-Laws.

Provided the Council reserves the right either to decline such request or to permit such request subject to such conditions as it may deem necessary to impose on the recommendations of the Faculty Board and the Senate.

30.

30.1. The Council, on the recommendation of the Senate and the Faculty Board may consider granting an exemption from following a course/s and taking the examination of the course/s subject to such conditions as it may deem fit and proper. This decision shall made by the Council on a case-by-case basis and its decision shall be final.

30.2. The Council retains the discretion to deny any request made under sub-Clause 30.1 above if it thinks that granting the facility will be prejudicial to the interests of any stake holders.

31. The Vice Chancellor of the University shall have the authority, in consultation with the Dean of the FGS, to take such actions or give such directions not inconsistent with the spirit and principles underlying the provisions of these By-Laws as appears to her/him to be necessary or expedient for the purpose of removing any difficulties that may arise in the interpretation of the provisions or for which there is no provision in these By-Laws or in the case of students who had followed or have been following the MMM Program under the earlier arrangements and/or By-Laws.

PART VI INTERPRETATION

32. In these By-Laws, unless the context otherwise requires,

“Council” means the Council of the University of Colombo constituted by the Universities Act No. 16 of 1978 (as amended)

“Senate” means the Senate of the University of Colombo constituted by the University Act No. 16 of 1978 (as amended)

“Faculty” means the Faculty of Graduate Studies

“Faculty Board” means the Faculty Board of the Faculty of Graduate Studies

“Registrar” means the Registrar, the Acting Registrar, Deputy Registrar or any other officer authorized to sign for and on behalf of the Registrar of the University of Colombo.

“Application” means an application for registration or for entry to an examination.

“Board of Studies” and “BSPS” means the Board of Studies of Professional Studies of the FGS relevant to the above postgraduate degree programme.

33. Any question regarding the interpretation of these By-Laws shall be referred to the Council of University of Colombo whose decision thereon shall be considered as final.

SCHEDULE

Postgraduate Diploma in Manufacturing Management (PGDip MM) Leading to Masters in Manufacturing Management (MMM)

SLQF Level 08 and SLQF Level 10

The programme of study leading to the Postgraduate Diploma in Manufacturing Management (SLQF Level 08) shall offer the subjects as given below in the academic year (Semester I & II).

Academic year	Code of Course	Name of Course	Number of credits
Semester I	PGDip MM 5101	Industrial Organization	03
	PGDip MM 5102	Manufacturing Planning & Control	04
	PGDip MM 5105	Industrial Relations & Industrial Law	03
	PGDip MM 5106	Total Quality Manufacturing	04
Semester II	PGDip MM 5203	Accounting & Finance for Manufacturing	03
	PGDip MM 5204	Industrial Marketing	03
	PGDip MM 5207	Technology and Innovation Management	04
	PGDip MM 5208	Introduction to Manufacturing Science	06
Total Credits			30

The programme of study leading to the Masters in Manufacturing Management (SLQF Level 10) shall offer the subjects as given below in the academic year. (which may consider as Semester III & IV). (Postgraduate Diploma of Manufacturing Management programme represent the Semester I and II).

Academic year	Code of Course	Name of Course	Number of credits
Semester I	Successful completion of all the courses offered by the Postgraduate Diploma in Manufacturing Management		30
Semester II			
Semester III	MMM 6301	Manufacturing Science	04
	MMM 6302	Manufacturing Supply Chain management	04
	MMM 6403	Computer Integrated Manufacturing	04
	MMM 6404	Manufacturing Strategy	04
Semester IV	MMM 6405	Dissertation	15
Total Credits			61