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REGULATION OF THE GRADUATE PROGRAM IN MECHANICAL SCIENCES OF THE UNIVERSITY OF BRASILIA

TITLE I – GENERAL PROVISIONS

Art. 1 -The Graduate Program in Mechanical Sciences (PPG-CM) at the University of Brasília (UnB) is composed of a set of activities related to *stricto sensu* postgraduate studies aiming at:

- I** - produce new knowledge in Mechanical Sciences; deepen the
- II** - knowledge acquired by graduates and postgraduates in Mechanical Sciences or related fields;
- III** - prepare professionals specialized in areas of knowledge associated with Mechanical Sciences and related areas;
- IV** - transfer the knowledge generated to society through the best available techniques.

Art. 2 -The PPG-CM offers courses at two *stricto sensu* graduate levels: Academic Master's Degree in Mechanical Sciences and Doctorate in Mechanical Sciences.

§ 1The Doctorate aims to train professionals capable of intervening in the state of the art in Mechanical Sciences and enabling them to act as an autonomous producer of new knowledge.

§ 2The Academic Master's degree aims to introduce students to scientific methodology, aiming at the analysis of problems in Mechanical Sciences and the search for solutions for them, and enabling them to understand and efficiently apply the most recent concepts and technologies in Mechanical Engineering and related areas, in scientific research, technological development and teaching.

Art. 3 -The PPG-CM is organized into a single area of concentration: Mechanical Sciences.

Art. 4 -The operation of the Program is governed by the legislation of the National Education Council, by the Statute and General Regulations of the University of Brasília, by the Resolution of the Teaching, Research and Extension Council No. 0080/2021 and by this regulation.

TITLE II – PROGRAM COORDINATION

Art. 5 -The general coordination of the Program at UnB will be the responsibility, at the executive level, of the Deanship of Graduate Studies (DPG) and, at the deliberative level, of the Council for Teaching, Research and Extension (CEPE), directly or through the Chamber



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Research and Postgraduate Studies (CPP), under the terms of article 77 of the General Regulations of UnB.

Art. 6 -The general coordination of the Program, within the scope of the Faculty of Technology, is the responsibility of the respective College of Postgraduate Courses (CCPG-FT), as provided for in article 31 of the Statute and articles 30 and 78 of the General Regulations of UnB.

Art. 7 -The specific coordination of the Graduate Program in Mechanical Sciences at UnB will be carried out by the Graduate Program in Mechanical Sciences Board (CPPG-CM), composed of accredited faculty members and a student representation from each program. The term of student representation is two years, with one consecutive reappointment permitted.

Sole paragraph. The CPPG-CM's responsibilities, as set out in article 12 of CEPE Resolution No. 0080/2021, are:

- I** - propose the accreditation of advisors and co-supervisors, in accordance with articles 22 and 23 of the Resolution; contribute to strategic planning and the development,
- II** - implementation and transparent monitoring of the Unit's postgraduate policy, with a view to inserting the PPG, with excellence and innovation, into the national and international academic communities;
- III**- propose plans for applying the resources made available to the PPG by the University of Brasília, in accordance with the levels of autonomy defined by specific regulations;
- IV** - approve the list of courses offered for each academic period; propose
- V** - selection criteria for admission to the Postgraduate Program, in compliance with the general regulations of the University of Brasília;
- VI** - establish the number of places to be offered for each selection;
- VII**-to assess proposals and resources from PPG teachers and students in scope of its competence.

Additionally, this Regulation establishes the following responsibilities of the CPPG-CM:

- VIII**-deliberate on any matters pertinent to the Postgraduate Program Graduation;
- IX**- propose the creation of new subjects and the cancellation or modification of existing subjects;
- X**- define and update the Program's research lines;
- XI**- propose to the CCPG-FT the accreditation and de-accreditation of Program advisors;
- XII**-propose to the CCPG-FT the dismissal of students;



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XIII-approve plans for the application of resources from sources various and their respective accounts.

Art. 8 -The PPG-CM will have a Graduate Committee (CPG-CM) chaired by the Coordinator and composed of at least three faculty members, respecting the diversity of the areas of concentration, and by student representation from each program. The term of student representation is two years, with one consecutive reappointment permitted.

§ 1The CPG-CM's responsibilities, as set out in article 13 of CEPE Resolution No. 0080/2021, are:

- I** - monitor the PPG regarding student performance and the use of scholarships and resources;
- II** - define and manage the distribution and renewal of scholarships;
- III** - approve the Examining Committees for theses and dissertations;
- IV** - forward the results of thesis and dissertation defenses; establish the
- V** - Selection Committee for admission of students to the PPG;
- VI** - assess requests for the use of studies, in accordance with articles 25 and 32 of the Resolution;
- VII** -analyze requests for general registration suspension, request for change in course completion deadlines, as well as designation and change of guidance;
- VIII** -to consider requests for direct defense of thesis, as instructed specific regulations approved by the CPP;
- IX** - evaluate proposals and appeals from PPG faculty and students.

Additionally, this Regulation establishes the following responsibilities of the CPG-CM:

- X** - advise the Program Board and the CCPG-FT in implementing the postgraduate policy;
- XI** - supervise all work related to the development of the Program;
- XII** -prepare the Program's teaching plan for CCPG's consideration-FT and supervise its compliance;
- XIII** -assist in defining the number of vacancies to be offered in each selection;
- XIV** -propose to the CCPG-FT the dismissal of students;
- XV** -perform tasks delegated by the Program Board.

§ 2The term of office of the members of the Commission shall be two years, with one renewal permitted.

Art. 9 -The PPG-CM will have a Coordinator and may provide for a Substitute Coordinator, chosen from among the



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Program teachers, with more than two years of teaching experience at the University of Brasília.

§ 1^{the} THE mandate of Coordinator and of
The term of the Substitute Coordinator will be two years, with one renewal permitted.

§ 2^{the} The Coordinator's responsibilities, as set out in article 14 of CEPE Resolution No. 0080/2021, are:

- I -** preside over the PPG Board;
- II -** preside over the CPG;
- III -** represent the PPG before the collegiate bodies in which such representation is provided for;
- IV -** be responsible for the management of the PPG before the Academic Unit, the DPG, the Boards defined in articles 5 to 7 and the funding agencies;
- V -** assess proposals and appeals from PPG faculty and students within the scope of their competence;
- VI -** forward to the Academic Administration Office (SAA), at any time, a request for student dismissal, when the situations described in article 31 of this Resolution are identified.

Additionally, this Regulation establishes the following responsibilities of the Coordinator:

- VII -** forward to the CCPG-FT, for approval, the proposals of: number of vacancies to be offered in each academic period, the composition of the Selection Committee, the composition of the Examining Boards, proposals for the creation of new disciplines, updating of curricula, requests for general suspension of enrollment and use of credits, designation and change of advisor and other matters pertinent to the smooth running of the Program;
- VIII -** maintain contacts and understandings with other coordinators postgraduate programs aimed at offering subjects for the Program;
- IX -** maintain contacts with national and international organizations interested in promoting the Program and establishing agreements with UnB;
- X -** take the necessary measures to publicize the Program;
- XI -** be responsible to the Dean of Research and Postgraduate Studies and the funding agencies for the progress of the Program;
- XII -** prepare and forward to the competent sectors the annual report of Program;
- XIII -** implement the postgraduate policy; **XIV -** indicate the composition of the CPG-CM.



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§ 3^{the} The Substitute Coordinator is responsible for collaborating with the management of the Program and assuming coordination functions in the event of the Coordinator's absence or impediment.

TITLE III – ADMISSION

Art. 10 -Holders of an undergraduate degree in Mechanical Engineering and related fields may be admitted to the Academic Master's Degree in Mechanical Sciences, at the discretion of the Selection Committee, obtained from a higher education institution recognized by the Ministry of Education or equivalent, in accordance with current federal legislation.

Art. 11 -Holders of a Master's degree in Mechanical Sciences and related fields may be admitted to the Doctoral Course in Mechanical Sciences, at the discretion of the Selection Committee, obtained from a higher education institution recognized by the Ministry of Education or equivalent, in accordance with current federal legislation.

§ 1 Exceptionally, holders of only an undergraduate degree in Mechanical Engineering or related fields obtained from a recognized higher education institution may be admitted, if they demonstrate relevant intellectual development in the area of knowledge, according to the criteria established in the selection notice.

§ 2 Students may also be admitted to the Doctoral Course through progression from the Master's Course in accordance with article 14 of these Regulations.

Art. 12 -Applications for candidates for selection to the PPG-CM will be opened through a specific notice, in accordance with article 15 of CEPE Resolution No. 0080/2021 and current regulations.

§ 1 The number of vacancies for admission to the PPG-CM and the respective selection notice must be proposed by the Board and sent to the DPG at least 45 days before the start of registration for the selection.

§ 2 The selection notice must establish the number of available vacancies and contain all information regarding the selection process, locations and dates for the stages and the publication of results.

§ 3^{the} The notice may provide for a selection process that dispenses with the presence of candidates at the Program headquarters.

Art. 13 -The selection process will be conducted by a Selection Committee approved by the CPG and composed of teachers accredited in the Program.

§ 1 At the end of the selection process, the Selection Committee will prepare minutes containing all the elements of the process, which must be approved by the PPG Board and ratified by the DPG.



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§ 2In the selection process, appeals may only be made in the case of formal defects.

Art. 14 -Students of the PPG-CM Master's course may be admitted to the same Doctorate course at any time before completing 18 months in the Master's degree without needing to undergo a public selection process for the Doctorate.

§ 1They will not be able to benefit from the provisions of *caput* of this article students admitted more than once to the same Program.

§ 2~~the~~ The application for admission to the Doctorate must be approved by the Program Board and endorsed by the DPG, meeting at least the following requirements:

- I - a reasoned request from the student, accompanied by the thesis project and a schedule for its development, the total duration of which, including the time spent as a Master's student, may not exceed sixty months until the date of the thesis defense;
- II - detailed report from the student's advisor, demonstrating the student's potential and the viability of the thesis project to be developed within the proposed timeline; report from a three-
- III - member committee, appointed by the Program Board specifically for this purpose, composed of professors accredited to supervise the Program's Doctorate.

Art. 15 -Enrollment in isolated Postgraduate courses may be permitted, subject to availability, for “special students” who demonstrate the ability to take them.

§ 1Enrollment as a “special student” does not create any link with the Graduate Programs at the University of Brasília.

§ 2Enrollment as a “special student” is open to holders of an undergraduate degree who are not regularly enrolled in a postgraduate course.*stricto sensu* at the University of Brasilia.

§ 3Enrollment may only be made in a course with proven availability, after serving students regularly enrolled in a Postgraduate Course.*stricto sensu* at the University of Brasilia.

TITLE IV – GUIDANCE OF STUDENTS

Art. 16 -Each regular PPG-CM student will have a faculty advisor accredited by the CPP. The student may have, in addition to the full advisor, a co-advisor.



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§ 1^{the} For the Master's supervisor and co-supervisor, a doctorate degree will be required.

§ 2^{the} For the PhD supervisor and co-supervisor, in addition to the PhD title, proof of significant academic and scientific production, characterized by its relevance and regularity, will be required.

§ 3^{the} Specific advisors may be accredited to meet the guidance needs of a specific student, following the criteria established by the CPP Accreditation, Re-accreditation and De-accreditation Resolution and by the specific resolutions of the PPG-CM.

§ 4^{the} The advisor for master's and doctoral students will be selected by the end of the student's first month of enrollment. The student must submit a letter of acceptance from the advisor signed by the student and the advisor to the program office within this period.

§ 5^{the} Until the master's or doctoral supervisor is defined, the Program Coordinator will be responsible for the student's academic supervision.

§ 6^{the} Co-supervision occurs when a teacher effectively shares with the supervisor the conception of the student's research project, its execution and complementary supervision.

§ 7^{the} The appointment of a co-advisor must be approved by the CPG-CM upon detailed request from the supervisor.

Art. 17 - It is the supervisor's responsibility to:

- I -** guide and accompany the student during the preparation of the Master's dissertation or Doctoral thesis;
- II -** maintain permanent contact with the student, seeking to ensure compliance with the deadlines set for completion and the minimum criteria required for the defense of the master's dissertation or doctoral thesis, as set out in a specific internal resolution;
- III -** provide the best possible conditions for the student to carry out their work.

Art. 18 - The student is allowed to change supervisor, at the initiative of the student or supervisor, upon approval of a reasoned request addressed to CPG-CM.



TITLE V – DIDACTIC ORGANIZATION

Art. 19 -The Program's Academic Master's and Doctorate courses comprise a set of disciplines consisting of:

- I - subjects of the Basic Training Center; subjects of
- II - the Specific Training Center; subjects of the
- III - Complementary Training Center; seminars;
- IV -

aiming at the scientific and technological training of postgraduate students and preparing them to carry out excellent studies and research, in accordance with the Program's research lines.

§ 1st The subjects of the Basic Training Center of the Academic Master's and Doctorate Courses are those presented in Table 1 of the Annex.

§ 2nd The subjects of the Specific Training Center of the Academic Master's and Doctorate Courses are those presented in Table 2 of the Annex.

§ 3rd The subjects of the Complementary Training Center of the Academic Master's and Doctorate Courses are those presented in Table 3 of the Annex, and others that may be created, including those in related fields.

§ 4th Related disciplines are those from other postgraduate programs at UnB or other higher education institutions that are incorporated, on the recommendation of the supervisor, into each student's individual program.

§ 5th The rules for the use of credits for students linked to co-supervision agreements will be governed by the agreement itself signed and approved by both institutions.

§ 6th The courses may be taught in English in order to meet the strategic planning of the PPG-CM.

Art. 20 -To obtain the Master's degree, the student must successfully complete 24 credits in subjects – including the Seminar 1 subject in Mechanical Sciences, one subject from the Basic Training Center and two subjects from the Specific Training Center.

§ 1st The subjects of the Basic and Specific Training Centers that are not taken to meet the requirements of the *caput* of this article can be taken as belonging to the Complementary Training Center.



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§ 2^{the} Seminars 1 in Mechanical Sciences is mandatory for Master's students. Students must pass this course by the end of the 12th month of admission as a regular student.

§ 3^{the} The Master's program will last a maximum of 24 months, including the preparation and defense of the Master's Dissertation. An extension of up to 6 months may be granted upon presentation of fully justified reasons and a timeline that clearly indicates the feasibility of completion. The student must request an extension before the end of the 24th month of the program. The extension must be approved by the CPG-CM.

§ 4^{the} No credits will be awarded for the Master's Dissertation.

Art. 21 -To obtain the title of Doctor, the student must successfully complete 32 credits in subjects - including the subject Seminars 2 in Mechanical Sciences, one subject from the Basic Training Center and three subjects from the Specific Training Center.

§ 1^{the} The subjects of the Basic and Specific Training Centers that are not taken to meet the requirements of the *caput* of this article can be taken as belonging to the Complementary Training Center.

§ 2^{the} Seminars 2 in Mechanical Sciences is mandatory for PhD students. Students must pass this course by the end of the 12th month of admission as a regular student.

§ 3^{the} Doctoral students who have obtained a Master's degree through the Program may fully appropriate the credits earned in their Master's degree, with the exception of the Seminar 1 subjects in Mechanical Sciences.

§ 4^{the} The doctoral program will last a maximum of 48 months, including the preparation and defense of the doctoral thesis. An extension of up to 12 months may be granted upon presentation of fully justified reasons and a timeline that clearly indicates the feasibility of completion. The student must request an extension before the end of the 48th month of the program. The extension must be approved by the CPG-CM.

§ 5^{the} No credits will be awarded for the Qualifying Exam and the Doctoral Thesis.

Art. 22 -In accordance with article 25 of CEPE Resolution 080/2021, subjects taken with approval in postgraduate courses *stricto sensu* a maximum of 10 years before admission to the PPG-CM can be used to complete curricular credits.



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§ 1st In the case of subjects taken with approval in postgraduate programs *stricto sensu* from the University of Brasília, the use may be made in full.

§ 2nd In the case of subjects taken with approval in postgraduate programs *stricto sensu* from other Brazilian or foreign institutions, including courses taken through co-supervision agreements, the use may be made up to the limit of 22 credits for the doctoral course and 16 credits for the master's course, in accordance with article 110 of the General Regulations of the University of Brasília.

§ 3rd The use of subjects taken in the country or abroad may occur through a request to the CPG-CM, which is responsible for establishing equivalence with the credit and subject regime of the course in which the student is registered.

§ 4th The use of studies will always depend on the approval of a detailed report, prepared by a teacher accredited in the PPG and approved by the CPG-CM.

Art. 23 -The evaluation of the academic performance of Postgraduate students will follow the University of Brasília's mention system, in accordance with articles 122 and 123 of the General Regulations.

Art. 24 -To meet the course's curricular requirements, Postgraduate courses may be appropriate. *stricto sensu* taken as a "special student" at any Higher Education Institution under the terms of article 15 of this Regulation, up to the limit of 50% of the total credits required, respecting what is stated in articles 25, 26 and 27 of CEPE Resolution 0080/2021.

Art. 25 -After completing the curricular disciplines, the student must be enrolled in each academic period in at least the activity Master's Dissertation Preparation or Doctoral Thesis Preparation, as applicable.

Art. 26 -Students completing a Master's or Doctoral research internship outside of UnB, a "sandwich program", must be enrolled in each academic period in the Master's Dissertation or Doctoral Thesis Development activity, as applicable.

Art. 27 -The General Enrollment Suspension of Postgraduate courses may only occur for a justified reason, and it is necessary to prove the involuntary impediment of the student to carry out his/her academic activities.

Sole paragraph. General Enrollment Suspension may not be granted for more than one academic period during the student's stay.



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in the Master's course and for more than two academic periods during the student's stay in the Doctoral course, except for reasons of the student's health.

Art. 28-The student will be removed from the course if one of the following situations occurs:

- I -** after failing two subjects;
- II -** after failing the doctoral qualification exam twice; if you fail the
- III -** defense of your Thesis or Dissertation;
- IV -** if the maximum period of stay in the course is exceeded, as provided for in article 20 of this Regulation for the Academic Master's course and in article 21 of this Regulation for the Doctorate course;
- V -** for disciplinary reasons provided for in the General Regulations of University of Brasília, after analysis of the administrative process.

Art. 29-In the event that a student wishes to re-enter the course after leaving, his/her reinstatement will be evaluated, on an ongoing basis, within the scope of the Program Board, fulfilling the following requirements:

- I -** Reasoned request from the student, with the advisor's knowledge, accompanied by the thesis or dissertation project and development schedule;
- II -** Detailed opinion of a three-member committee appointed by the Program Board specifically for this purpose, composed of teachers accredited to provide guidance on the program.

§ 1^{the}The request for reinstatement must be made within a maximum period of 12 months from the date of dismissal.

§ 2^{the}When requesting reinstatement, the student must prove that he/she already meets all the curricular requirements and other criteria set out in a specific internal resolution for defending a dissertation, in the case of a master's student, and a thesis, in the case of a doctoral student.

§ 3^{the}The maximum period of stay in the Program after re-entry will be 6 months for master's students and 12 months for doctoral students.

§ 4^{the}The exceptions regarding the extension of the period of stay set out in articles 20 and 21 of these Regulations do not apply to reinstated students.

§ 5^{the}Subjects taken by the student prior to his/her re-entry may be used after analysis by the Postgraduate Committee (CPG), taking into account the provisions of article 22 of these Regulations.



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§ 6th Admission to any Postgraduate course at the University of Brasília is prohibited for two years for students who have been dismissed due to disciplinary reasons provided for in the General Regulations, after analysis of the administrative process.

TITLE VI – DIPLOMACY

Art. 30 -To obtain a Master's degree, the student must:

- I -** successfully complete 24 credits in subjects – including the Seminar 1 subject in Mechanical Sciences, one subject from the Basic Training Center and two subjects from the Specific Training Center;
- II -** have written a Dissertation of his/her exclusive authorship, prepared solely for this purpose, defended in a public session and approved by an Examining Committee;
- III -** demonstrate scientific production in accordance with the provisions of the current specific normative instruction of the PPG-CM.

§ 1st The Examining Committee will be chaired by the supervising professor, who will not have the right to judgment, and will be composed of two full members, at least one of whom will not be affiliated with the University of Brasília, and one alternate, and will be approved by the Graduate Studies Committee, observing the criteria of excellence in the area of knowledge of the work to be evaluated, in accordance with article 8, § 1, item III, of this Regulation.

§ 2nd The members of the Examining Committee must have a Doctorate and may not, with the exception of the supervisor, be involved in supervising the dissertation project.

§ 3rd The Examining Committee's decisions will be taken unanimously, and may only be appealed due to formal defects.

Art. 31 -To obtain a Doctorate degree, the student must:

- I -** successfully complete 32 credits in subjects - including the Seminar 2 subject in Mechanical Sciences, one subject from the Basic Training Center and three subjects from the Specific Training Center;
- II -** pass the Qualification Exam by the end of the 24th month, counting from the date of entry as a regular student;
- III -** have prepared a Thesis of his/her exclusive authorship, prepared solely for that purpose, defended in a public session and approved by an Examining Committee.
- IV -** demonstrate scientific production in accordance with the provisions of the current specific normative instruction of the PPG-CM.



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§ 1^{the} The Examining Committee will be chaired by the supervising faculty member, who will not have the right to judge, and will be composed of three full members and one alternate. Among the full members, one must be affiliated with the University of Brasília and two must be external.

§ 2^{the} The members of the Examining Committee must have a Doctorate degree and may not, with the exception of the supervisor, be involved in supervising the thesis project.

§ 3^{the} The Examining Committee will be approved by the Postgraduate Committee. Graduation, observing the criteria of excellence in the area of knowledge of the work to be evaluated, in accordance with article 8, § 1, item III, of this Regulation.

§ 4^{the} The Examining Committee's decisions will be taken by a simple majority vote, and may only be appealed due to formal defects.

§ 5^{the} The Thesis must present a significant and original contribution to its field of study.

§ 6^{the} On the date of the Doctoral Thesis defense, the candidate must have fulfilled all other curricular requirements of his/her course.

Art. 32 -The Qualification Exam required in article 31 will consist of the defense of the Thesis Project before an Examining Committee chaired by the supervising professor, who will not have the right to judgment, and composed of three full members and one alternate, in which the student's capacity and feasibility of executing the research project must be demonstrated.

§ 1^{the} Among the full members of the Examining Committee, one must be affiliated with the University of Brasília and at least one must be external to the University of Brasília.

§ 2^{the} The Examining Committee's decisions will be taken by a simple majority vote, and may only be appealed due to formal defects.

§ 3^{the} The examining committee's evaluation is conclusive and results in one of the following decisions: pass or fail. In the event of failure, a new qualifying exam may be taken within a period of less than six months. If the revised work is failed again, the student will be dismissed from the PPG-CM Doctoral Program.

§ 4^{the} The members of the Examining Committee must have a Doctorate degree and may not, with the exception of the supervisor, be involved in supervising the thesis project.

§ 5^{the} In addition to the conditions established above, the Qualification Exam will be governed by specific current normative instructions from the PPG-CM.



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Art. 33 -Master's Dissertation defenses may include the participation of the Examining Committee via videoconference or other technological resource that provides a similar function, and Doctoral Theses defenses may include the participation of the Examining Committee via videoconference or other technological resource that provides a similar function.

Art. 34 -Master's Dissertations and Doctoral Theses may be written and defended in Portuguese or English.

Sole paragraph.When produced in another language, the Thesis or Dissertation must present a title and expanded abstract in Portuguese.

Art. 35 -The Examining Committee's assessment will be conclusive and will result in one of the following decisions:

- I** - approval;
- II** - approval with review of form;
- III** - reformulation;
- IV** - failure.

§ 1º -In the case of approval, the homologation will be subject to the final presentation of the work within 30 days to the Program Coordination.

§ 2º-In the case of a review of form, approval will be subject to the final delivery of the revised work within a maximum period of 30 days to the Program Coordination and its approval by one of the members of the examining board, other than the advisor.

§ 3º-In the case of reformulation, the student will be obliged to present and defend, definitively, a new version of his/her work within the established period, which cannot exceed three months for the Master's degree and six months for the Doctorate.

§ 4º-Failure to submit the work within the stipulated timeframe will result in the student being expelled from the UnB Mechanical Sciences Postgraduate Program.

§ 5º-Failure to approve the reformulated work, in accordance with § 4, will result in the student being removed from the Program.

§ 6º-Failure to comply with the deadlines established in §§ 1, 2 and 3 will result in the student being dismissed from the PPG.



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Art. 36 -The issuance of the Master's or Doctorate diploma will be subject to the approval, by the DPG, of minutes drawn up and signed by all members of the Examining Committee.

§ 1º -The defense minutes must be forwarded to the DPG by the Program Coordinator within a maximum period of 30 days.

§ 2 -The diploma will be the only document issued to prove the title, and the issuance of a statement or copy of the defense report as proof of the title is prohibited in any instance.

- I -** To prove the defense of the thesis or dissertation, the course coordinator may issue a copy of the defense report.

TITLE VII – FINAL AND TRANSITORY PROVISIONS

Art. 37 -Any cases not covered by this Regulation will be resolved by CPG-CM.

Art. 38 -This Regulation shall come into force from the date of its approval by the Graduate Studies Chamber (CPP).

Brasilia, September 27, 2021.

Sandra Maria da Luz
Program Coordinator



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ANNEX

LIST OF DISCIPLINES

Table 1 Disciplines of the Basic Training Center

Code	Subject Name	No. of Credits
PCMEC0160	Mechanics of Continuous Media	4
PCMEC0147	Mechanical Vibrations	4
PPMEC2003	Physical Metallurgy	4
PCMEC2155	Mechanical Behavior of Solids	4
PCMEC3937	Energy and Environment	4

Table 2 Subjects of the Specific Training Center

Code	Subject Name	No. of Credits
PPGINTEGRITY1980	Material Characterization by Thermal Analysis	4
PCMEC0035	Metal Processing by Powder Metallurgy	4
PCMEC0178	Experimental Methods in Fluids	4
PCMEC2153	Plasticity	4
PCMEC0192	Classical Thermodynamics	4
PCMEC0144	Advanced Heat Transfer	4
PCMEC3999	Fluid Dynamics	4
PCMEC2156	Finite Elements in Solids	4
PCMEC2151	Material Fatigue	4
PCMEC2170	Multiaxial Fatigue	4
PPGINTEGRIDAD2014	Introduction to the Boundary Element Method	4
PCMEC2152	Fracture Mechanics	4
PCMEC0070	Computational Contact Mechanics	4
PCMEC2158	Numerical Methods in Mechanical Sciences	4
PPGINTEGRITY1978	Microstructural and Mechanical Characterization Techniques	4
PCMEC2144	Fluid-structure interaction	4
PCMEC2150	Mechanics of Composite Materials	4
PPGINTEGRIDAD2012	Polymers and Polymer Composites	4

Table 3 Subjects of the Complementary Training Center

Code	Subject Name	No. of Credits
PCMEC0207	Modal Analysis	4
PCMEC0185	Combustion	4
PCMEC2120	Structural Reliability	4
PCMEC0176	Computational Fluid Dynamics	4
PCMEC0206	Structural Dynamics	4
PCMEC0175	Non-Newtonian Fluid Dynamics	4
PPGINTEGRIDAD2000	Nonlinear Dynamics and Chaos	4



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PCMEC0043	Hydrodynamics of Magnetic Fluids	4
PCMEC0155	Finite Elements in Fluids	4
PCMEC2156	Finite Elements in Solids	4
PCMEC2128	Finite Elements for Vibration Analysis	4
PCMEC0169	Multiphase Flow	4
PCMEC0084	Fundamentals of Wind Systems	4
PCMEC0086	Magnetohydrodynamics	4
PCMEC2157	Experimental Methods in Mechanical Sciences	4
PCMEC0205	Mathematical Methods in Mechanical Sciences	4
PCMEC0208	Microhydrodynamics	4
PCMEC0232	Principles of Parallel Programming	4
PCMEC0076	Signal Processing and Linear Mechanical Systems	4
PCMEC0045	Solar Energy Harness Systems	4
PCMEC0143	Dynamic Systems	4
PCMEC0193	Special Topics 1 in Mechanical Sciences	4
PCMEC0194	Special Topics 2 in Mechanical Sciences	4
PCMEC4000	Turbulence	4
PCMEC0180	Teaching Internship in Mechanical Sciences I (mandatory for Capes Master's and Doctoral Scholarship Holders)	2
PCMEC0182	Teaching Internship in Mechanical Sciences II (mandatory for Capes Doctoral Scholarship Holders)	2

Table 4 Seminars

Code	Subject Name	No. of Credits
PCMEC0073	Seminar 1 in Mechanical Sciences (mandatory for Master's students)	4
PCMEC0075	Seminar 2 in Mechanical Sciences (mandatory for PhD students)	4