UNIVERSIDADE FEDERAL DO CEARÁ

FEDERAL UNIVERSITY OF CEARÁ
OFFICE OF THE VICE PROVOST FOR UNDERGRADUATION (PROGRAD)
COORDINATION FOR PROJECT AND CURRICULUM DEVELOPMENT
CURRICULUM DEVELOPMENT DIVISION

1. Academic unit offering the curricular component (Faculty, Center, Institute, Campus)**:**

Center of Technology

2. Department offering the curricular component (when applicable)**:**

Teleinformatics Engineering Department

3. Undergraduate course(s) offering the curricular component

Code of the Course	**Name of the Course**	**Course Degree[1]**	**Curriculum** (Year/ Semester)	**Nature of the Component[2]**	**Semester of Offer[3]**	**Habilitation[4]**
91	Telecommunications Engineering	Bachelor	2015.1	Optional	-	-

4. Name of the curricular component:
Project Management

5. Code of the curricular component (filled by PROGRAD)**:**
TI0129

6. Prerequisites	No ( )	Yes (x)	
		Code	Name of the curricular component / activity
		TK0134	Fundamentals of Business Administration

7. Corequisite	No (x)	Yes ( )	
		Code	Name of the curricular component / activity

8. Equivalences	No ( )	Yes (x)	
		Code	Name of the curricular component / activity
		TI0085	Project Management in Teleinformatics

9. Day period of the curricular component (more than one option can be selected)**:**
(x) Morning (x) Afternoon (x) Night

1 **Fill with *Bachelor (Engineer), Licenciate,* or *Technologist.***
2 **Fill with *Mandatory, Optional,* or *Elective.***
3 **Fill when mandatory.**
4 **When elective, fill with the habilitation or emphasis to which the curricular component is linked.**

10. Regime of the curricular component:

(x) Semester ( ) Yearly ( ) Modular

11. Justificatory for the creation/regulamentation of this curricular component

In addition to understanding the technical aspects related to the performance of its function, the engineer has added to the technology, business and services. The engineer must, therefore, be capable of an integrated understanding of the market world, where greater competitiveness and better quality are objects of a continuous search. In an environment that requires constant improvement and innovation in products, processes and services, project management is an indispensable tool for achieving such objectives.

12. Objectives fo the curricular component:

Provide the theoretical and practical knowledge required to manage project-based endeavors.

13. Syllabus:

Introduction; Project Initiation and Scope Management; Resource Planning; Execution and Control; Complementary Management; Closing of Projects.

14. Program:

1. **Introduction:** current context of organizations; engineer assignments versus manager assignments; project definition; project manager skills; life cycle of a project; organizational structures for project management; methodologies for project management.
2. **Project Initiation and Scope Management:** term of project opening; constraints, premises and dependencies; project scope versus product scope; requirements; structure of the project.
3. **Resource Planning:** resources available to the project manager; management of time; critical path; estimates of duration of activities; cost estimates and management; planning and management of human resources.
4. **Execution and Control:** execution and control processes; control of the term; cost control; added value analysis; development of the project team; motivation and leadership in the project team.
5. **Complementary Management:** communications management; quality management; risk management; management of contracts and acquisitions.
6. **Closing of Projects:** processes in the closing of projects; record of learned lessons; knowledge management.

15. Workload description

Number of Weeks:	Number of Credits:	Total Workload in Hours:	Theory Workload in Hours:	Practice Workload in Hours:
16	04	64	64	-

16. Basic bibliography:

1- Guia do Conhecimento em Gerenciamento de Projetos (PMBoK), 5th edition, Project Management Institute, 2013.

2- Lecture notes.

3- Administração de Projetos – Como Transformar Idéias em Resultados, Antônio C. A. Maximiano, 5th edition, Atlas, 2014.

17. Complementary bibliography:

1- Gerenciamento de Projetos na Prática 1, Alonso M. Soler, 1st edition, Atlas, 2006.

2- The Fast Forward MBA in Project Management, Eric Verzuh, 4th edition, Wiley, 2011.

3- Project Management: A Systems Approach to Planning, Scheduling, and Controlling, H. Kerzner, Wiley, 11st edition, 2013.

4- Effective Project Management: Traditional, Agile, Extreme, Robert K. Wysocki, Wiley, 7th edition, 2013.

5- Gestão de Projetos – As melhores práticas, H. Kerzner, Bookman, 2005.