

Course Syllabi

1. TICS-00054 COMMUNITY SERVICE PRACTICES

2. 96 credits hours.

3. Bibliography

- LA RESPONSABILIDAD SOCIAL DE LA IES: VINCULACIÓN UNIVERSIDAD-COMUNIDAD A TRAVÉS DEL PLAN NACIONAL DEL BUEN VIVIR, Cevallos, C. F. V., Cevallos, C. G. C., Barahona, C. A. Z., Zavala, J. H. M., Pincay, D. E. Á., & Plúa, C. R. C. , 2017

4. Specific Course Information

- a. The practices of service to the community is an interactive process, through which the University plans to intervene socially in the solution of the problems of the community, generating additionally practical and human knowledge in the vocational training in order to benefit traditionally excluded sectors, but also to strengthen the productive processes of the southern region of Ecuador, supposes an exchange of knowledge that feedback the academic work and takes center stage. is in a context of intercultural dialogue through the implementation of community service programmes and projects, consistent with learning outcomes and the career exit profile.
- b. Prerequisites:
 - MAES-00122 DIFFERENTIAL EQUATIONS
 - MAES-00129 PROBABILITY AND STATISTICS
 - TICS-00069 THEORY OF COMPUTATION
 - MAES-00127 RESEARCH METHODOLOGY
 - TICS-00057 PROGRAMMING II: DATA STRUCTURES AND ALGORITHM ANALYSIS
 - CCFF-00052 PHYSICS II (ELECTRICITY AND MAGNETISM)
 - MAES-00120 MULTIVARIABLE CALCULUS

5. Learning Objectives of the Course

- a. To develop in students their skills by applying their knowledge, skills, attitudes and values in the performance of their profession. It consists of activities that emphasize the solution of problems in the areas of their career graduation profile, that produce innovations in productive processes or that solve technical problems, mainly through experimentation. It will be developed under the permanent advice of teachers and professionals, and with the support of the laboratories of the Faculty that carry out research in public or private establishments at national or international level.
 - Diagnose problems to intervene
 - Develop planning for intervention
 - Apply strategies to solve problems
 - Evaluate the results of the intervention
- b. Learning Outcomes
 - Participates in the diagnosis of the current situation of the problem of the linkage project by obtaining the diagnostic document of the project
 - Participates in a linkage project, in which it applies its knowledge that can improve the present or future living conditions of its members
 - It applies professional, ethical, legal, security and social responsibility in intervention with the support of the community.
 - Supports the implementation of activities related to the professional profile for the implementation of

the linkage project

6. Course Topics

- Participation in the draft intervention: diagnosis, development and implementation
- Implementation of the draft intervention