# ENGLISH FRIENDLY COURSES (EFC) 2019-2020 – CAMPUS OF GIPUZKOA

https://www.ehu.eus/es/web/medikuntza-erizaintza-fakultatea/grado-enfermeria-donostia
**Coordinator:** enfermeria-ss.internacional@ehu.eus

In addition to the general offer of courses taught in English, some Centers also offer for incoming students English Friendly Courses (EFC): subjects taught in Spanish, in which the syllabus summary; lecturer tutoring, examinations and/or papers are available in English.

| FACULTY OF MEDICINE AND NURSING – GIPUZKOA (252) | | SEMESTER | CREDITS | SCHEDULE[1] |
|---|---|---|---|---|
| 26443 | Sistemas de Información y Análisis de Datos | Sep. 2019- Jan. 2020 | 6 | M |
| 25212 | Salud Pública | Sep. 2019- Jan. 2020 | 6 | M |
| 26464 | Practicum II | Sep. 2019- Jan. 2020 | 8 | - |
| 26465 | Practicum III | Jan. 2020- May 2020 | 12 | - |
| 26466 | Practicum IV | Sep. 2019- Jan. 2020 | 30 | - |
| 26467 | Practicum V | Jan. 2020- May 2020 | 24 | - |

[1] SCHEDULE: Morning (M)/ Afternoon (A): begins at 13.30.
By clicking the subject´s name, its Syllabus will appear.

**TEACHING GUIDE** 2019/20

**Centre** 252 - Faculty of Medicine and Nursing. Gipuzkoa Department **Cycle** Indiferente

**Plan** GENFER20 - Bachelor`s Degree in Nursing **Year** First year

## SUBJECT

26443 - Information Systems and Data Analysis **ECTS Credits:** 6

## DESCRIPTION & CONTEXTUALISATION OF THE SUBJECT

The subject Information Systems and Data Analysis is a basic subject of the academic fields. The curricular Decree for bachelor of the Basque Autonomous Community is the starting point. Therefore, previously, students must have the following knowledge:
- Use of new technologies (operating systems, extension of files, email managers, management of files in the cloud, etc.)
- Use of word processors (formats and styles of the document, header and footer, indexes, etc)
- Use of spreadsheets (organization by cells, rows and columns, functions and basic operations, creation and modification of graphics, etc.).
- Basic mathematical concepts (basic operations, absolute values, relative, natural numbers, integers, rational, irrational, etc.).
- Creation of a technical text (Using reliable information sources and their corresponding bibliographic references).

As the expert Miguel Angel Zabalza indicates, evidence-based science is basic in the development of the academic curriculum, since it is transversal and must be systematized. The first steps in order to achieve it will be taken in this subject.

Throughout the semester students will work on the methodological basis of qualitative and quantitative research, information searches, the use of bibliographic references, the organization of information systems in the field of health sciences, the synthesis of information, data organization and its presentation, basic concepts of demography and biostatistics, care based on scientific evidence and critical reading.

## COMPETENCIES/LEARNING RESULTS FOR THE SUBJECT

E.1.- To Develop a process of search, selection, recovery, management and use of the literature generated from a research question, demonstrating skill in the management of databases and basic information of the social health field.
E.2.- To analyze the data used for scientific production in the health sciences by interpreting its adequacy and meaning.
E.3.- To perform a critical reading of research articles in Health Sciences, analyzing the methodological quality and the adequacy and interpretation of the statistics in order to assess the quality of the scientific literature.

## THEORETICAL/PRACTICAL CONTENT

Unit 1.- INTRODUCTION TO THE INVESTIGATION
1.1.- Types of research. Introduction to quantitative and qualitative research. Professional secrecy and Data Protection Law.
1.2.- Information systems in the field of health. CMBD. EDO.
1.3.- Search for information. Data sources in the field of health.
1.4.- Search and bibliographic management: scientific databases and bibliographic management programs.
1.5.- Use of bibliographical references. Vancouver Standards; APA; Harvard; ISO 690 and 690-2.

Unit 2.- DATA ANALYSIS
2.1. Descriptive statistics: variables, scales, measures of central tendency and measures of dispersion. Organization of the data and graphic representation.
2.2.- Frequency indicators of the disease.
2.3.- Distributions. Standardized normal curve. Proportions.
2.4.- Inferential statistics. Sampling techniques Law on equality between women and men and sampling. Inference techniques.
2.5.- Statistical tests of contrast.

Unit 3- SCIENTIFIC EVIDENCE
3.1.- Introduction to care based on scientific evidence.
3.2.- Critical reading of a clinical trial.
3.3.- Critical reading of a systematic review

## METHODS

Active methodologies and the flipped classroom model (inverted class) will be used. So the students will be responsible for their own learning process, developing all the competences through exercises and activities. In order to integrate the

practical contents in class and in the seminars, the students must read and prepare at home the theoretical and practical content. The students will analyze, understand, summarize and internalize the theoretical concepts.

- In addition to teaching hours, students will work by themselves on the theoretical concepts and the computer tools they will use for their application.

- The seminars will be hold by small groups in the computer classroom. In these seminars, the students will work on bibliography search and management, data organization, statistical treatment of the data and critical reading. In all the seminars, the lecturers will guide the first part and in the second part, the students will have to carry out the exercises autonomously.

- Self-evaluation: the students will self-evaluate all their exercises, to be aware of their achievements in the learning process.

- The documentation related to the subject will be available to the students in the Moodle digital platform to follow the theoretical-practical part of the subject as the exercises carried out.

- Tutorials: to solve doubts, make recommendations to prepare the subject or help in the learning process.

## TYPES OF TEACHING

| Type of teaching | M | S | GA | GL | GO | GCL | TA | TI | GCA |
|---|---|---|---|---|---|---|---|---|---|
| Classroom hours | 40 | 10 | | | 10 | | | | |
| Hours of study outside the classroom | 50 | 20 | | | 20 | | | | |

**Legend:** M: Lecture S: Seminario GA: Pract.Class.Work GL: Pract.Lab work GO: Pract.computer wo
GCL: Clinical Practice TA: Workshop TI: Ind. workshop GCA: Field workshop

## ASSESSMENT SYSTEMS

- Continuous assessment system
- Final assessment system

## TOOLS USED & GRADING PERCENTAGES

- Multiple choice test 30%
- Practical work (exercises, case studies & problems set) 70%

## ORDINARY EXAM CALL: GUIDELINES & DECLINING TO SIT

In accordance with the Protocol on academic ethics and prevention of dishonest or fraudulent practices in the evaluation tests and in the academic work of the UPV / EHU, the subject's lecturers on the first day of class, in the presentation of the student's guide, will specify as clearly as possible the materials, resources and technological resources, or otherwise, whose use is allowed in the development of the evaluation tests of the subject.

The evaluation will be continued (exercises of the seminars + work + exam test type). To pass this subject it is necessary to approve all the competences. The lecturers of the subject will use the following system in the evaluation:

E.1 To carry out a process of search, selection, recovery and bibliographic management, demonstrating skill in the management of basic databases of the field of health. Assessment in the final grade 30%: Seminars 1 and 10 + Work + Test type examination.

E.2.- To analyze the data used in the scientific production interpreting its adequacy and meaning, in order to assess the quality of the literature and its applicability in practice. Assessment in the final grade 40%: Seminars 2.; 3.; 4.; 5.; 6. + Test type exam.

E.3.- To perform a critical reading of research articles in Health Sciences, in order to discern the quality of scientific production and apply it when appropriate in clinical practice. Assessment in the final grade 30%: Seminars 7.; 8.; 9. + Test type test.

If a competence is not passed, the qualification of the competence will be suspended. If two or all three competences are not passed, the average mark of suspended competences will be set.

FINAL EVALUATION SYSTEM:
Students will have the right to be evaluated through the final evaluation system, regardless of whether or not they have participated in the continuous assessment system. Students interested in this kind of evaluation must submit in writing to

the faculty responsible for the subject the waiver of continuous assessment, for which they will have a period of 9 weeks since the beginning of the semester, according to the calendar academic center.
Through this final test it will be verified that the student has overcome the knowledge and competences of the subject.
This final test will consist of 3 exercises to evaluate the competencies E1, E2, E3.
E1: To complete a questionnaire on the use of bibliographic and data sources and carry out a bibliographic search in the most important databases of the health system, managing this information with computer tools and using bibliographic references in a text + questionnaire. Value in the mark: 30%.

E2: To perform a search of quantitative data in health science data sources. Use data for the calculation of basic statistics and prepare a graph of them. With a given data series, differentiate the variables, identify the hypotheses, choose the appropriate statistical tests of contrast, obtain the results of them and interpret them + questionnaire. Value in the mark: 40%.

E3. To complete a questionnaire about care based on scientific evidence and perform a critical reading of an article + questionnaire. Value in the mark: 30%.
If a competence is not passed, the qualification of the competence will be suspended. If two or all three competences are not passed, the average mark of suspended competences will be set.

DISCLAIMER OF THE ORDINARY EVALUATION CALL:
In the case of continuous evaluation, in accordance with the article 12.2 of the regulations of the evaluation of students in the official degrees, if the weight of the final test is equal to or less than 40% of the grade of the subject, students may renounce the call. At least, the resignation must be communicated in a period that will be up to one month before the end date of the teaching period of the subject. This resignation must be submitted written to the responsible of the subject.
In the case of the final evaluation, the failure to show up on the test on the official exam date will automatically cancel will resing the corresponding call.

## EXTRAORDINARY EXAM CALL: GUIDELINES & DECLINING TO SIT

In order to pass the subject, it is necessary to pass all the competences.
The evaluation of the subjects in the extraordinary calls will be made exclusively through the final evaluation system.
The positive results obtained by the students during the course may be retained. So, the students that in the ordinary call have followed the continuous evaluation, in the extraordinary call must perform the tests corresponding to the competences that have not been passed.
Through this final test it will be verified that the students have passed the knowledge and competences of the subject. This final test will consist of 3 exercises to evaluate the competences E1, E2, E3.To overcome this subject it is necessary to pass all the competences.

E1: To complete a questionnaire on the use of bibliographic and data sources and carry out a bibliographic search in the most important databases of the health system, managing this information with computer tools and using bibliographic references in a text + questionnaire. Value in the mark: 30%.

E2: To perform a search of quantitative data in health science data sources. Use data for the calculation of basic statistics and make a graph with them. With a given data series, differentiate the variables, identify the hypotheses, choose the appropriate statistical tests of contrast, obtain the results of them and interpret them + questionnaire. Value in the mark: 40%.

E3. To complete a questionnaire about care based on scientific evidence and perform a critical reading of an article + questionnaire. Value in the mark: 30%.
If a competence is not passed, the qualification of that competence will be suspended. If two or all three competences are not passed, the average mark of the suspended competences will be set.

DISCLAIMER TO THE EXTRAORDINARY CALL:
Failure to submit to the test set on the official exam date will automatically waive the corresponding call.

## COMPULSORY MATERIALS

-Processor of texts (Word)
-Sheet calculation (Excel)
-Statistical program (SPSS)
-Bibliographic manager on-line (Refworks)
-Databases common in the field of health sciences

## BIBLIOGRAPHY

### Basic bibliography

-Hernández R, Fernández-Collado C, Baptista P. Fundamentos de metodología de la Investigación. 4ª Ed. Madrid: McGraw Hill; 2007.

-Iñesta A. Webs y buscadores en ciencias de la salud [Internet]. 2ª Ed.Madrid: Escuela Nacional de Sanidad-Instituto de Salud Carlos III; 2012 [acceso: 05/05/2015] Disponible: http://gesdoc.isciii.es/gesdoccontroller?action=download&id=20/12/2012-c4cf662b7d

-Fresquet J.L. Internet para profesionales de la salud[Internet]. Barcelona: Fundación Uriach; 2008 [acceso: 05/05/2015]. Disponible: http://issuu.com/fundacionuriach/docs/monograficos1].

-Argimon, J.M.; Jiménez, J.; Martín Zurro, A. y Vilardell, M. Publicación científica biomédica. Como escribir y publicar un artículo de investigación. Madrid: Elsevier. 2010.

-Comité Internacional de Editores* de Revistas Médicas (ICMJE). Requisitos de uniformidad para manuscritos enviados a revistas biomédicas: Redacción y preparación de la edición de una publicación biomédica. [Última actualización: marzo

2007; acceso 05/05/2015].]. Disponible: http://www.metodo.uab.es/enlaces/2006%20Requisitos%20de%20Uniformidad.pdf

-American Psychological Association. Manual de Estilo de Publicaciones de la APA: Versión Abreviada. 2ªEd. Mexico DF: El Manual Moderno: 2010.

-Pastor-Barriuso R. Bioestadística[Internet]. Madrid: Escuela Nacional de Sanidad y Centro de Epidemiologica, Instituto de Salud Carlos III; 2012 [acceso: 05/05/2014]. Disponible en: http://gesdoc.isciii.es/gesdoccontroller?action=download&id=03/06/2013-7dd67975c5

-Cobo E. Bioestadística para no estadísticos. Bases para interpretar artículos científicos. Madrid: Elsevier; 2007.

-Zupiria X. Estatistika[Internet]. 4. Ed. Bilbao: UPV/EHU; 2009 [acceso: 05/05/2015]. Disponible: http://www.ehu.es/xabier.zupiria/liburuak/ESTATISTIKA/4edizioa/

-Arostegui I, Urkaregi A. Bioestatistika: Oinarrizko ikastaroa[Internet]. Leioa: UPV/EHU. 2014 [Acceso: 05/05/2015]. Disponible: http://testubiltegia.ehu.es/Bioestatistika-oinarrizko-ikastaroa/bioestatistika-oinarrizko-ikastaroa.pdf

-Barandiaran M; Orueta MI. Estatistika deskribatzailea excel-en bidez. [Internet]. Leioa: UPV/EHU. 2009 [acceso: 05/05/2014]. Disponible: http://testubiltegia.ehu.es/Estatistika-Deskribatzailea/estatistika-deskribatzailea-excel-bidez.pdf

-Merino M. Estatistika: SPSS praktikak. [Internet]. Leioa: UPV/EHU. 2011 [acceso: 05/05/2014]. dispoible: http://testubiltegia.ehu.es/Estatistika-spss-praktikak/deskarga

-Juaristi P. Aldagai bakarreko estatistika deskribatzailea eta inferentziala gizarte zientzietan: Teoria eta adibideak. [Internet]. Leioa: UPV/EHU. 2013 [acceso: 05/05/2014]. Disponible: http://testubiltegia.ehu.es/Datuen-kudeaketa

-Latasa I. Estatistikaren zergatiak eta nolakoak: aldakortasun analisiari buruzko gidaliburua. [Internet]. Leioa: UPV/EHU. 2009 [acceso: 05/05/2014]. Disponible: http://testubiltegia.ehu.es/Estatistikaren-zergatiak/deskarga

-Pearson, A. Field, J. Jordan, Zoe. Práctica clínica basada en la evidencia en enfermería y cuidados de la salud. Madrid: Mc Graw Hill; 2008.

-Vallin J. La Demografía. Alianza editorial. Madrid 1996.

-Alonso P; Ezquerro O; Farques I; Garcia JM; Marzo M; Navarra M; et als. Enfermería basada en la evidencia. Hacia la excelencia en los cuidados. Madrid: Difusión Avances de Enfermería; 2004[Acceso: 05/05/2015]. Disponible: http://cuidados20.san.gva.es/documents/16554/0/Enfermer%C3%ADa+Basada+en+la+Evidencia.pdf

-Díaz J. Guía práctica de lectura crítica de artículos científicos originales en ciencias de la salud. Madrid: Instituto Nacional de Gestión Sanitaria; 2010 [acceso: 05/05/2015]. Disponible: http://www.ingesa.msssi.gob.es/estadEstudios/documPublica/internet/pdf/Guia_practica_de_lectura.pdf

### In-depth bibliography

-Gerrish K, Lacey A. Investigación en enfermería. 5ª Ed. Madrid: Mc Graw Hill; 2008.

-HunglerBP. Polit D. Investigación científica en ciencias de la salud. 6ªed. México: Mc. Graw-Hill; 2000

-Pineda EB; Alvarado E L; Canales F. Metodología de la investigación. Manual para el desarrollo de personal de salud. 2ªed. Washington DC: OPS. 1994

-Rodigou M; Paulín H (Cords). Coloquios de investigación cualitativa. Subjetividades y procesos sociales. Cordoba: Universidad Nacional de Córdoba 2011

-Díaz VP. Metodología de la investigación científica y bioestadística para profesionales y estudiantes de Ciencias de la Salud. 2ª ed. Santiago de Chile: RIL. 2009

-Santos FX, Rodríguez CA, Rodríguez R. Metodología Básica de investigación en Enfermería. Madrid: Díaz de Santos; 2004

-Cabrero J, Richart M. Investigar en enfermería. Concepto y estado actual de la investigación en enfermería. Alicante: Universidad de Alicante; 2001

-Burns N; Grove SK. Investigación en Enfermería. Madrid:Elsevier; 2004

-Fortín MF. El proceso de Investigación: de la concepción a la realización. Mexico D.F: McGraw-Hill. Interamericana; 1999

-Prieto L.; Herranz I. ¿Qué significa estadísticamente significativo?: La falacia del criterio del 5% en la investigación científica. Madrid: DíazSantos; 2005

-Barandiaran M; Orueta MI. Estatistika deskribatzailea excel-en bidez. Leioa: EHU. 2009. Disponible en: http://testubiltegia.ehu.es/Estatistika-Deskribatzailea/estatistika-deskribatzailea-excel-bidez.pdf

-Merino M. Estatistika: SPSS praktikak. Leioa: EHU. 2011. En: http://testubiltegia.ehu.es/Estatistika-spss-praktikak/deskarga

-Juaristi P. Aldagai bakarreko estatistika deskribatzailea eta inferentziala gizarte zientzietan: Teoria eta adibideak.. Leioa: EHU. 2013. En: http://testubiltegia.ehu.es/Datuen-kudeaketa

-Martín A; Luna del Castillo JD. Bioestadística para las ciencias de la salud. Madrid: Norma; 2004

-Livi M. Introducción a la demografía. Barcelona: Ariel; 2000

**Journals**

-MESH: http://www.ncbi.nlm.nih.gov/mesh
-DECS: http://decs.bvs.br/E/homepagee.htmm
-RefWorks: https://www.refworks.com/; https://www.refworks.com/es/
UPV/EHUko Datu baseak http://www.ehu.eus/es/web/biblioteka/datu-baseen-aurkibide-alfabetikoa
-PubMed: http://www.ncbi.nlm.nih.gov/pubmed
-Tripdatabase: http://www.tripdatabase.com/
-Biblioteca Virtual de la Salud (Metabuscador): http://regional.bvsalud.org/php/index.php?lang=es
-EMBASE: http://www.elsevier.com/online-tools/embase
-NHS Evidence: http://www.evidence.nhs.uk/
Proquest central: http://search.proquest.com/index?accountid=17248OVID: http://ovidmd.ovid.com/Home
-Scopus: http://www.scopus.com/
-CINAHL (EBSCOhost): http://web.b.ebscohost.com/ehost/search/advanced?sid=206218cb-26bc-4738-882c-804eb206aa86%40sessionmgr111&vid=3&hid=125
-Up To Date: http://www.uptodate.com/home
-Joanna Briggs Institute: http://es.connect.jbiconnectplus.org/ Dialnet: http://dialnet.unirioja.es/
-CSIC: http://bddoc.csic.es:8085/index.jsp
-IBECS-SCIELO: http://www.scielo.org/php/index.php?lang=es
-Cochrane Plus: http://www.bibliotecacochrane.com/ Cuiden: http://www.index-f.com/new/cuiden/
-EnFisPo: http://alfama.sim.ucm.es/isishtm/enfispo/
-DOCUMED: http://www.uv.es/~docmed/documed/documed.html
-MEDES: https://medes.com/Public/Home.aspx
-MEDICAL IMAGING: http://www.medicalimaging.org/about-mita/medical-imaging-primer/
-IKERE: https://10.ikere.net/Osakidetza/HospitalDonostia/Ikere.php
-PREEVID: https://www.murciasalud.es/preevid.php
-Visible body: http://www.visiblebody.com/index.html

-Banco de Imágenes de la Medicina Española: http://www.bancodeimagenesmedicina.es/ SPRINGER- Imágenes: http://www.springerimages.com/
-BIOMED: http://www.biomed-search.com/
-UCSD. Catalog of clinical images: http://meded.ucsd.edu/clinicalimg/ Biology image library: http://www.biologyimagelibrary.com/sub

**Useful websites**

-BEHAGI: Gipuzkoako gizarte behatokia: http://www.behagi.net/
-GAINDEGIA: Observatorio para el desarrollo socio-económico de Euskal-Herria: http://www.gaindegia.eus/
-EUSTAT: www.eustat.es
-INE: http://www.ine.es/
-EUROSTAT: http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home/
-OSAKIDETZA: www.osakidetza.net
-MINISTERIO DE SANIDAD http://www.msssi.gob.es/
-Instituto de Salud Carlos III : http://www.isciii.es/
-Guías clínicas del Sistema Sanitario de España: http://portal.guiasalud.es/web/guest/home
-Unión Europea. Salud: http://ec.europa.eu/dgs/health_consumer/index_es.htm
-Organización Mundial de la Salud: http://www.who.int/es/
-Centers for Disease Control and Prevention: http://www.cdc.gov/
-SIIS: http://www.siis.net/es/
-SPSS programa: http://www-01.ibm.com/software/analytics/spss/
-FISTERRA: http://www.fisterra.com/formacion/metodologia-investigacion/
http://www.hrc.es/bioest/M_docente.html
NANDA: http://nanda.es/
-NNT: http://www.nnnconsult.com/index
-International Committee of Medical Journal Editors: http://www.icmje.org/
-APA: http://www.apastyle.org/
-CASPe: http://www.redcaspe.org/
-Investigación en cuidados: http://www.investigacionencuidados.es/bibliotecametodologica/
-Observatorio de desigualdades sociales en salud: http://www.ods-ciberesp.org/
-Bioestadística para no estadísticos: http://bioestadistica.upc.edu/MaterialDocente
-Salud conectada: http://saludconectada.com/
-Ebevidencia: http://ebevidencia.com/
-Unidad de Bioestadística. Hospital Universitario Ramón y Cajal. http://www.hrc.es/investigacion/unidadbio_enlaces.htm
-Apuntes de demografía: http://apuntesdedemografia.com/

**REMARKS**

**TEACHING GUIDE** 2019/20

| | | | |
|---|---|---|---|
| **Centre** | 252 - Faculty of Medicine and Nursing. Gipuzkoa Department | **Cycle** | Indiferente |
| **Plan** | GENFER20 - Bachelor`s Degree in Nursing | **Year** | First year |

## SUBJECT

25212 - Public Health **ECTS Credits:** 6

## DESCRIPTION & CONTEXTUALISATION OF THE SUBJECT

SUBJECT Public Health (6 ECTS) Degree in Nursing
1st year
Faculty of Medicine and Nursing. Gipuzkoa Section

## COMPETENCIES/LEARNING RESULTS FOR THE SUBJECT

E1: Describe the concept of individual and collective health within the framework of Public and Community Health, to understand the Health Plans
E2: Identify environmental, social and biological health factors that influence the level of health of individuals.
E3: Explain the infectious process, recognizing the transmission mechanisms and the prevention steps.
TRANSVERSE COMPETENCE: oral communication. Communicate orally ideas and knowledge through a clear, organized and synthesized exposition using different resources and adapting to the characteristics of the situation and the audience.

## THEORETICAL/PRACTICAL CONTENT

UNIT 1: INTRODUCTION TO PUBLIC HEALTH
UNIT 2: ENVIRONMENTAL DETERMINANTS OF HEALTH
UNIT 3: SOCIAL DETERMINANTS OF HEALTH
UNIT 4: BIOLOGICAL DETERMINANTS OF HEALTH
Microbiology and immunity
Bacteriology, virology and parasitology
UNIT 5: EPIDEMIOLOGY AND PREVENTION OF COMMUNICABLE DISEASES
Demography and epidemiology
Epidemiological chain
Vaccines
Healthcare-associated Infections (HAI)
Disease registry
Most prevalent communicable diseases according to transmission models: Airborne Transmission
Water and food transmission
Contact and sexual transmission
Vector-borne transmission
.

## METHODS

- Oral presentation by the teacher
- Analysis of articles and documentaries:
  - Reading or watching
  - Answer the questions
  - Oral exposition
- Individual or group works

- Practical lab classes

## TYPES OF TEACHING

| Type of teaching | M | S | GA | GL | GO | GCL | TA | TI | GCA |
|---|---|---|---|---|---|---|---|---|---|
| Classroom hours | 40 | 12 | | 8 | | | | | |
| Hours of study outside the classroom | 55 | 20 | | 15 | | | | | |

**Legend:** M: Lecture S: Seminario GA: Pract.Class.Work GL: Pract.Lab work GO: Pract.computer wo
GCL: Clinical Practice TA: Workshop TI: Ind. workshop GCA: Field workshop

## ASSESSMENT SYSTEMS

- Continuous assessment system
- Final assessment system

## TOOLS USED & GRADING PERCENTAGES

- Extended written exam 80%
- Team work (problem solving, project design) 10%
- Exposition of work, readings, etc. 10%

## ORDINARY EXAM CALL: GUIDELINES & DECLINING TO SIT

ORDINARY EVALUATION: GUIDANCE AND WAIVER
The mixed assessment proposed by course faculty is as follows:
a) Continuous evaluation:
E1: 10% (written exam)
E2: 20% (15% written exam and 5% group works)
E3: 60% (55% written exam and 5% group works)
TRANSVERSE COMPETENCE: 10% (oral exposition)
Attendance to seminars is mandatory. An ability to pass the course all exam and works must be achieved independently.

b) Final test evaluation:
The weighting of the score will be:
E1: 10% (written exam)
E2: 20% (written exam)
E3: 60% (written exam)
TRANSVERSE COMPETENCE: 10% (oral exposition)
Students have the right to be assessed through a final evaluation, regardless of whether they have participated in continuous evaluation.
To this end, students must submit a written waiver to the course teaching staff. They must do so within the first 9 weeks of term-long courses and 18-weeks of year-long courses as set out in the academic calendar.

- Waving an evaluation will return a mark of not presented.
- In the case of continuous evaluation, students can waive an evaluation up to one month before the end date of the teaching part of the course. This waiver must be submitted in writing to the faculty responsible for the subject.
- In the case of a final evaluation, failure to show up to the exam on the official exam date will automatically waive the evaluation in question.

## EXTRAORDINARY EXAM CALL: GUIDELINES & DECLINING TO SIT

For extraordinary exams, students will be examined only for those competences they have failed in the ordinary evaluation, maintaining the above percentages.

## COMPULSORY MATERIALS

## BIBLIOGRAPHY

### Basic bibliography


ABRAHAMSON, JH.Métodos de estudio en Medicina Comunitaria: una introducción a los estudios epidemiológicos y de evaluación. Madrid: Diaz de Santos, 1990.

ALFONSO, MT.Salud Pública y Atención Primaria de Salud. Masson, Paradigma, 1997.

ALFONSO, MT.Manual de Enfermería Comunitaria I. Masson-Salvat, 1992.

ARGIMON J.M., JIMÉNEZ J.Métodos de investigación en Atención Primaria de Salud. Barcelona: Doyma, 1991.

ARMIJO, R.Epidemiología Básica en Atención Primaria de Salud. Madrid: Díaz de Santos, 1993.

AUSINA RUIZ , V y MORENO GUILLÉN, S.Tratado SEIMC de Enfermedades Infecciosas y Microbiología Clínica. Madrid: Editorial Médica Panamericana, 2006.

BASARAS M, UMARAN A.Mikrobiologia Medikoa. UPV/EHUko Servicio publicaciones, 2004.

BENESON A.S.Manual para el control de las enfermedades transmisibles, 16. Edición. OPS (Organización Paramericana de Salud). 1997

DE LA ROSA M, PRIETO J., NAVARRO J.M. Microbiología en Ciencias de la Salud. Conceptos y aplicaciones 3ª edición. Elsevier España. 2011.

GIRBAU GARCIA, MªROSA. Enfermería Comunitaria I. Salud Pública. Edit. Masson, 2003.

HERNÁNDEZ AGUADO, GIL, DELGADO, BOLUMAR. Manual de Epidemiología y Salud Pública. Ed. Médica Panamericana 2011.

MARTÍN ZURRO A., CANO PÉREZ J.F.Atención Primaria. Conceptos, organización y práctica clínica. I. eta II. liburukiak. Madrid: Elsevier, 2003.

MARTINEZ NAVARRO, F.Salud Pública y Epidemiología. Madrid: McGraw-Hill Interamericana, 1997.

MAZARRASA ALVEAR L, GERMÁN BES C, SÁNCHEZ MORENO A, SÁNCHEZ GARCÍA AM, MERELLES TORMO T, APARICIO RAMÓN V.Salud Pública y Enfermería Comunitaria. 2. Edición. Madrid: MacGraw-Hill Interamericana, 2003.

PIÉDROLA GIL.Medicina Preventiva y Salud Pública, 10. Edición. Barcelona. Masson, 2003.

POLIT, D.Investigación Científica en Ciencias de la Salud. Madrid: Interamericana, 1990.

PRATS G.Cuaderno de prácticas y demostraciones. Microbiología Médica. Barcelona: Doyma, 1993.

PRATS G.Microbiología y Parasitologías Médicas. Madrid: Editorial Médica Panamericana, 2013.

RAMOS CALERO, E.Enfermería Comunitaria. Métodos y Técnicas. Madrid: Enfermería SXXI, 2000.

SÁNCHEZ MORENO A., APARICIO RAMÓN V., GERMÁN BES C., MAZARRASA ALVEAR L., MERELLES TORMO A., SÁNCHEZ GARCÍA A., Enfermería Comunitaria Tomos 1,2 y3. Madrid: Macgraw-Hill/ Interamericana, 2000.

SEGURA DEL POZO, J. Desigualdades sociales en salud: conceptos, estudios en intervenciones (1980-2010). Universidad Nacional de Colombia.2013.

THOMAS, B. Epidemiología y Salud Pública. Interamericana, 1993.

WILKINSON R., MARMOT M. Los determinantes sociales de la salud. Los hechos probados. Ministerio de Sanidad y Consumo.2003.


### Deepening bibliography


DÍAZ R. Y COLS.Manual práctico de Microbiología. MASSON, SA argitaletxea, 1995.

EUSKO JAURLARITZA-GOBIERNO VASCO. INOZ: Manual de Normas para el control de la IN. Vitoria- Gasteiz, 1997.

EPINE protocolo de investigación (http://www.vhebron.net/preventiva/epine/protocolo_epine_2017.pdf)

EVANS A.S., BRACHMAN P.S.Bacterial Infections of Humans. Epidemiology and control. 3.Edición. Plenum Medical Book Co, 1998.

FORBES BA, SAHM DF, WEISSFELD AS.Diagnóstico Microbiológico. EDITORIAL MÉDICA PANAMERICANA, 2004.

JANE D., SIEGEL, MD., EMILY RHINEHART, RN., MARGUERITE JACKSON, PHD., LINDA CHIARELLO, RN., The Healthcare Infection Control Practices Advisory Committee. 2007 Guideline for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings. 2007 (http://www.cdc.gov/hicpac/pdf/isolation/Isolation2007.pdf)

MANDELL G.L., BENNETT J.E., DOLIN R.Enfermedades Infecciosas. Principios y Práctica. 7. Edición. España: Elsevier, 2011.

MURRAY P.R., BARON E.J., JORGENSEN J.H., LANDRY M.L., PFALLER M.A., YOLKEN R.H.
Manual of Clinical Microbiology. 9. Edición. Washington: ASM Press, 2007.

TORTORA GJ, FUNKE BR, CASE CL.
Introducción a la Microbiología. 9. Edición. EDITORIAL MÉDICA PANAMERICANA, 2007.

SOCIEDAD ESPAÑOLA DE MEDICINA PREVENTIVA, SALUD PÚBLICA E HIGIENE. Estudio de prevalencia de las infecciones nosocomiales en España. EPINE 1990- 2008: 18 años. 2008
(http://www.sempsph.com/sempsph/attachments/023_Diapositivas_EPINE_2007.pdf)

**Journals**

BOLETÍN DE ENFERMERÍA COMUNITARIA.
ATENCIÓN PRIMARIA.
BOLETÍN EPIDEMIOLÓGICO DE LA COMUNIDAD AUTÓNOMA DEL PAÍS VASCO.
BOLETÍN DE ENFERMERÍA COMUNITARIA.
ATENCIÓN PRIMARIA.
BOLETÍN EPIDEMIOLÓGICO DE LA COMUNIDAD AUTÓNOMA DEL PAÍS VASCO.
CENTRO DE SALUD.
ENFERMERÍA CIENTÍFICA.
CULTURA DE LOS CUIDADOS.
ENFERMEDADES INFECCIOSAS Y MICROBIOLOGÍA CLÍNICA.
ENFERMERÍA CLÍNICA.
ENFERMERÍA ACTUALIDAD.
GEROKOMOS.
GACETA SANITARIA.
HIADES.
INDEX MÉDICO ESPAÑOL.
INDEX DE ENFERMERÍA.
MEDIFAM.
INFORME DE SALUD PÚBLICA DE LA COMUNIDAD AUTÓNOMA VASCA.
SALUD 2000.
METAS DE ENFERMERÍA.
REVISTA ESPAÑOLA DE SALUD PÚBLICA.
REVISTA ROL DE ENFERMERÍA.
COMUNIDAD.

**Web-sites**

http://www.icn.ch/spanish.htm. CIE
htpp://nelle.mc.duke.edu/standadrs/termcode/nanda.htm. NANDA
htpp://www.who.org/ OMS
http://www.msps.es/ MINISTERIO DE SANIDAD POLITICA SOCIAL E IGUALDAD
www.johannesburgsummit.org NACIONES UNIDAS
www.greenpeace.org GREENPEACE
htpp://www.seei.efenet.ua.es Asociación española de Diagnósticos de Enfermería
htpp://www.fut.es/amelero/1index.htm Asociación Española de Enfermería del Trabajo y Salud Laboral
htpp://www.ub.es/aentde/welcome.htm Asociación Española de Nomenclatura, Taxonomía y Diagnósticos de Enfermería
htpp://www.interbook.net/colectivo/seden/ Organización Colegio de Enfermería
htpp://wwwenfermeríacomunitaria.org Asociación de Enfermería Comunitaria
http://www.cdc.gov/spanish/ (center for diseases control. USA)
http://www.who.int/es/ (organización mundial de la salud)
http://www.nih.gov/ (Nationale Institutes of Health. USA)
http://www.mae.es/mae/index.jsp (Ministerio de asuntos exteriores. España)
http://seimc.org/ (Sociedad española de Enf. Infecciosas y Microbiología Clínica)
http://www.osasun.ejgv.euskadi.net/r52-2536/es/ (Información sanitaria del Gobierno Vasco)
http://www.isciii.es/htdocs/index.jsp (Instituto de salud Carlos III, Centro

Nacional de Microbiología y Centro Nacional de Epidemiología)
http://www.seaic.es/ (Sociedad española de alergología e inmunología clínica)
http://www.kcom.edu/faculty/chamberlain/Website/gallery.htm (galería de imágenes de bacterias)
http://www.microbisome.com/buscadorImagenes/inicio.htm (buscador de imágenes de microorganismos)
https://www.osakidetza.euskadi.eus
https://www.ikuspegi.eus
http://www.isciii.es/

| | | | |
|---|---|---|---|
| TEACHING GUIDE 2019/2020 | | | |
| CENTRE 252 – Faculty of Medicine and Nursing. Section: Donostia | | Cycle | 1st semester |
| Plan | GENFER20 – Nursing Degree | Year | 3rd |
| SUBJECT | | | |
| **26464 – Practicum II** | | ECTS credits: | 8 |

## SUBJECT DESCRIPTION AND CONTEXT

External practical classes constitute a form of training carried out by students and supervised by the university. The goal is to enable the student to apply and build on the knowledge acquired throughout their academic training and to acquire competences which prepare them for a nursing career, enable them to find a job and foster their planning capabilities.

**Access Requirements**

Students wishing to take this subject must have passed the 2nd year subject *Practicum I*.

## COMPETENCES / LEARNING OUTCOMES FOR THE SUBJECT

Pre-professional practicals in the form of a clinical rotation and including a final competence assessment, carried out in health centres, hospitals and other care centres. These practicals enable students to assimilate professional values, care communication competences and clinical reasoning, management and judgement. The nursing knowledge, abilities and attitudes based on principles and values, and which correspond to the competences set out under the general objectives and in the subjects which make up the Degree, are integrated into professional practice.

## IMPLEMENTATION

Various people are involved in these external practical classes. Students are responsible for their own learning and take an active role in developing their competences and in the continuous assessment process.

In accordance with the currently regulatory framework on external student practicals, approved by the University of the Basque Country, the other people involved are as follows:

***Teacher (tutor from the centre)***

A nursing professional from the centre collaborating in the practicals who is in charge of organising training activities in agreement with the university.

**University tutor (teaching and research staff)**

The teacher in charge of supervising and supporting students who are carrying out external practical classes in a collaborating centre.

The learning methodology is based on problem-solving using the scientific method and on a reflection process which allows students to gradually acquire strategies and routemaps which help them become a considerate nursing professional.

The practicals are based on individual attention for the nursing student. With the support of the teacher and/or practicals tutor, the student sets their learning objectives in accordance with the established competences.

All credits for this subject are awarded for in-person learning in order to comply with Royal Decree 1837/2008, which states that students studying for a nursing degree must complete 2,300 hours of care practicals.

This practicum comprises a minimum of three tutorials:

1st tutorial. Coincides with the beginning of the practicals module. The learning agreement is drawn up.

2nd tutorial. Takes place halfway through the module. The student's learning process and achievement of established competences are assessed and encouraged and their learning is redirected.

3rd tutorial. The learning process, learning outcomes and competences established at the start of the practicum are assessed at the end of the module.

## ASSESSMENT

Assessment is a continuous process in which students justify and provide evidence for their achievements against the established competences. The university tutor will assess the practicals carried out on the basis of the teacher's and students' report, in accordance with the established assessment tools and criteria.

As per the regulations governing the assessment of students on official degree courses at the University of the Basque Country, each student will have the right to one annual examination session to pass this subject.

The Practicals Committee reserves the right to decide whether the period for this practicum may be extended within the bounds of the established academic calendar, under exceptional circumstances and duly justified. This exception does not affect practicals already carried out and not passed within that period.

*Extraordinary Examination Session: Instructions and Waiver*
Not considered.

## USEFUL LINKS

https://egela.ehu.es/

http://gestion.ehu.es/gaur

http://www.enfermeria-donostia.ehu.es/p226-home/eu/

| | | | |
|---|---|---|---|
| TEACHING GUIDE 2019/2020 | | | |
| CENTRE 252 – Faculty of Medicine and Nursing. Section: Donostia | | Cycle | 2nd semester |
| Plan | GENFER20 – Nursing Degree | Year | 3rd |
| SUBJECT | | | |
| **26465 – Practicum III** | | ECTS credits: | 12 |

## SUBJECT DESCRIPTION AND CONTEXT

External practical classes constitute a form of training carried out by students and supervised by the university. The goal is to enable the student to apply and build on the knowledge acquired throughout their academic training and to acquire competences which prepare them for a nursing career, enable them to find a job and foster their planning capabilities.

**Access Requirements**

Students wishing to take this subject must have passed the 2nd year subject *Practicum I*.

## COMPETENCES / LEARNING OUTCOMES FOR THE SUBJECT

Pre-professional practicals in the form of a clinical rotation and including a final competence assessment, carried out in health centres, hospitals and other care centres. These practicals enable students to assimilate professional values, care communication competences and clinical reasoning, management and judgement. The nursing knowledge, abilities and attitudes based on principles and values, and which correspond to the competences set out under the general objectives and in the subjects which make up the Degree, are integrated into professional practice.

## IMPLEMENTATION

Various people are involved in these external practical classes. Students are responsible for their own learning and take an active role in developing their competences and in the continuous assessment process.

In accordance with the currently regulatory framework on external student practicals, approved by the University of the Basque Country, the other people involved are as follows:

***Teacher (tutor from the centre)***

A nursing professional from the centre collaborating in the practicals who is in charge of organising training activities in agreement with the university.

**University tutor (teaching and research staff)**

The teacher in charge of supervising and supporting students who are carrying out external practical classes in a collaborating centre.

The learning methodology is based on problem-solving using the scientific method and on a reflection process which allows students to gradually acquire strategies and routemaps which help them become a considerate nursing professional.

The practicals are based on individual attention for the nursing student. With the support of the teacher and/or practicals tutor, the student sets their learning objectives in accordance with the established competences.

All credits for this subject are awarded for in-person learning in order to comply with Royal Decree 1837/2008, which states that students studying for a nursing degree must complete 2,300 hours of care practicals.

This practicum comprises a minimum of three tutorials:

1st tutorial. Coincides with the beginning of the practicals module. The learning agreement is drawn up.

2nd tutorial. Takes place halfway through the module. The student's learning process and achievement of established competences are assessed and encouraged and their learning is redirected.

3rd tutorial. The learning process, learning outcomes and competences established at the start of the practicum are assessed at the end of the module.

## ASSESSMENT

Assessment is a continuous process in which students justify and provide evidence for their achievements against the established competences. The university tutor will assess the practicals carried out on the basis of the teacher's and students' report, in accordance with the established assessment tools and criteria.

As per the regulations governing the assessment of students on official degree courses at the University of the Basque Country, each student will have the right to one annual examination session to pass this subject.

The Practicals Committee reserves the right to decide whether the period for this practicum may be extended within the bounds of the established academic calendar, under exceptional circumstances and duly justified. This exception does not affect practicals already carried out and not passed within that period.

*Extraordinary Examination Session: Instructions and Waiver*
Not considered.

**USEFUL LINKS**

https://egela.ehu.es/

http://gestion.ehu.es/gaur

http://www.enfermeria-donostia.ehu.es/p226-home/eu/

| | |
|---|---|
| TEACHING GUIDE 2019/2020 | |
| CENTRE 252 – Faculty of Medicine and Nursing. Section: Donostia | Cycle 1st semester |
| Plan GENFER20 – Nursing Degree | Year 4th |
| SUBJECT | |
| **26466 – Practicum IV** | ECTS credits: 30 |

## SUBJECT DESCRIPTION AND CONTEXT

External practical classes constitute a form of training carried out by students and supervised by the university. The goal is to enable the student to apply and build on the knowledge acquired throughout their academic training and to acquire competences which prepare them for a nursing career, enable them to find a job and foster their planning capabilities.

**Access Requirements**

Students wishing to take this subject must have passed the 3rd year subjects *Practicum II* and *Practicum III*.

## COMPETENCES / LEARNING OUTCOMES FOR THE SUBJECT

Pre-professional practicals in the form of a clinical rotation and including a final competence assessment, carried out in health centres, hospitals and other care centres. These practicals enable students to assimilate professional values, care communication competences and clinical reasoning, management and judgement. The nursing knowledge, abilities and attitudes based on principles and values, and which correspond to the competences set out under the general objectives and in the subjects which make up the Degree, are integrated into professional practice.

## IMPLEMENTATION

Various people are involved in these external practical classes. Students are responsible for their own learning and take an active role in developing their competences and in the continuous assessment process.

In accordance with the currently regulatory framework on external student practicals, approved by the University of the Basque Country, the other people involved are as follows:

***Teacher (tutor from the centre)***

A nursing professional from the centre collaborating in the practicals who is in charge of organising training activities in agreement with the university.

**University tutor (teaching and research staff)**

The teacher in charge of supervising and supporting students who are carrying out external practical classes in a collaborating centre.

The learning methodology is based on problem-solving using the scientific method and on a reflection process which allows students to gradually acquire strategies and routemaps which help them become a considerate nursing professional.

The practicals are based on individual attention for the nursing student. With the support of the teacher and/or practicals tutor, the student sets their learning objectives in accordance with the established competences.

All credits for this subject are awarded for in-person learning in order to comply with Royal Decree 1837/2008, which states that students studying for a nursing degree must complete 2,300 hours of care practicals.

This practicum comprises a minimum of three tutorials:

1st tutorial. Coincides with the beginning of the practicals module. The learning agreement is drawn up.

2nd tutorial. Takes place halfway through the module. The student's learning process and achievement of established competences are assessed and encouraged and their learning is redirected.

3rd tutorial. The learning process, learning outcomes and competences established at the start of the practicum are assessed at the end of the module.

**ASSESSMENT**

Assessment is a continuous process in which students justify and provide evidence for their achievements against the established competences. The university tutor will assess the practicals carried out on the basis of the teacher's and students' report, in accordance with the established assessment tools and criteria.

As per the regulations governing the assessment of students on official degree courses at the University of the Basque Country, each student will have the right to one annual examination session to pass this subject.

Students must pass both semesters to pass the practicum. The mark awarded will be calculated using the arithmetic mean of the marks for each semester.

The Practicals Committee reserves the right to decide whether the period for this practicum may be extended within the bounds of the established academic calendar, under exceptional circumstances and duly justified. This exception does not affect practicals already carried out and not passed within that period.

*Extraordinary Examination Session: Instructions and Waiver*
Not considered.

**USEFUL LINKS**

https://egela.ehu.es/

http://gestion.ehu.es/gaur

http://www.enfermeria-donostia.ehu.es/p226-home/eu/

| | | | |
|---|---|---|---|
| TEACHING GUIDE 2019/2020 | | | |
| CENTRE 252 – Faculty of Medicine and Nursing. Section: Donostia | | Cycle | 2nd semester |
| Plan | GENFER20 – Nursing Degree | Year 4th | |
| SUBJECT | | | |
| **26467 – Practicum V** | | ECTS credits: | 24 |

## SUBJECT DESCRIPTION AND CONTEXT

External practical classes constitute a form of training carried out by students and supervised by the university. The goal is to enable the student to apply and build on the knowledge acquired throughout their academic training and to acquire competences which prepare them for a nursing career, enable them to find a job and foster their planning capabilities.

**Access Requirements**

Students wishing to take this subject must have passed the 3rd year subjects *Practicum II* and *Practicum III*.

## COMPETENCES / LEARNING OUTCOMES FOR THE SUBJECT

Pre-professional practicals in the form of a clinical rotation and including a final competence assessment, carried out in health centres, hospitals and other care centres. These practicals enable students to assimilate professional values, care communication competences and clinical reasoning, management and judgement. The nursing knowledge, abilities and attitudes based on principles and values, and which correspond to the competences set out under the general objectives and in the subjects which make up the Degree, are integrated into professional practice.

## IMPLEMENTATION

Various people are involved in these external practical classes. Students are responsible for their own learning and take an active role in developing their competences and in the continuous assessment process.

In accordance with the currently regulatory framework on external student practicals, approved by the University of the Basque Country, the other people involved are as follows:

***Teacher (tutor from the centre)***

A nursing professional from the centre collaborating in the practicals who is in charge of organising training activities in agreement with the university.

**University tutor (teaching and research staff)**

The teacher in charge of supervising and supporting students who are carrying out external practical classes in a collaborating centre.

The learning methodology is based on problem-solving using the scientific method and on a reflection process which allows students to gradually acquire strategies and routemaps which help them become a considerate nursing professional.

The practicals are based on individual attention for the nursing student. With the support of the teacher and/or practicals tutor, the student sets their learning objectives in accordance with the established competences.

All credits for this subject are awarded for in-person learning in order to comply with Royal Decree 1837/2008, which states that students studying for a nursing degree must complete 2,300 hours of care practicals.

This practicum comprises a minimum of three tutorials:

1st tutorial. Coincides with the beginning of the practicals module. The learning agreement is drawn up.

2nd tutorial. Takes place halfway through the module. The student's learning process and achievement of established competences are assessed and encouraged and their learning is redirected.

3rd tutorial. The learning process, learning outcomes and competences established at the start of the practicum are assessed at the end of the module.

## ASSESSMENT

Assessment is a continuous process in which students justify and provide evidence for their achievements against the established competences. The university tutor will assess the practicals carried out on the basis of the teacher's and students' report, in accordance with the established assessment tools and criteria.

As per the regulations governing the assessment of students on official degree courses at the University of the Basque Country, each student will have the right to one annual examination session to pass this subject.

The Practicals Committee reserves the right to decide whether the period for this practicum may be extended within the bounds of the established academic calendar, under exceptional circumstances and duly justified. This exception does not affect practicals already carried out and not passed within that period.

*Extraordinary Examination Session: Instructions and Waiver*
Not considered.

## USEFUL LINKS

https://egela.ehu.es/

http://gestion.ehu.es/gaur

http://www.enfermeria-donostia.ehu.es/p226-home/eu/