



UNIVERSITÀ DEGLI STUDI DI PALERMO

| | | | |
|--------------------------------|---|--------------------------------------|------------------|
| DEPARTMENT | Biomedicina, Neuroscienze e Diagnostica avanzata | | |
| ACADEMIC YEAR | 2020/2021 | | |
| MASTER'S DEGREE (MSC) | MEDICINE AND SURGERY | | |
| INTEGRATED COURSE | COMMUNICATION STUDIES - INTEGRATED COURSE | | |
| CODE | 17446 | | |
| MODULES | Yes | | |
| NUMBER OF MODULES | 3 | | |
| SCIENTIFIC SECTOR(S) | L-LIN/12, ING-INF/05, MED/25 | | |
| HEAD PROFESSOR(S) | LA BARBERA DANIELE | Professore Ordinario | Univ. di PALERMO |
| | FRANCOMANO ANTONIO | Professore a contratto in quiescenza | Univ. di PALERMO |
| | LO BAIDO ROSA | Professore Associato | Univ. di PALERMO |
| OTHER PROFESSOR(S) | VITABILE SALVATORE | Professore Ordinario | Univ. di PALERMO |
| | SORBELLO ROSARIO | Ricercatore | Univ. di PALERMO |
| | LA BARBERA DANIELE | Professore Ordinario | Univ. di PALERMO |
| | FRANCOMANO ANTONIO | Professore a contratto in quiescenza | Univ. di PALERMO |
| | LO BAIDO ROSA | Professore Associato | Univ. di PALERMO |
| | GIUNTA DONATELLA | Professore a contratto | Univ. di PALERMO |
| | SCHILLACI CARMELINA | Cultore della Materia | Univ. di PALERMO |
| | SCIME' ROSA | Professore a contratto | Univ. di PALERMO |
| | CANZIANI TATIANA | Ricercatore | Univ. di PALERMO |
| CREDITS | 10 | | |
| PROPAEDEUTICAL SUBJECTS | | | |
| MUTUALIZATION | | | |
| YEAR | 1 | | |
| TERM (SEMESTER) | 1° semester | | |
| ATTENDANCE | Mandatory | | |
| EVALUATION | Out of 30 | | |
| TEACHER OFFICE HOURS | <p>CANZIANI TATIANA Wednesday 09:00 12:00 Tramite piattaforma Teams o in presenza presso il Plesso di Anatomia ed Istologia. Per prenotare il ricevimento inviare una mail alla docente.</p> <p>FRANCOMANO ANTONIO Monday 12:30 15:30 Palazzo Moncada, CL</p> <p>GIUNTA DONATELLA Friday 11:00 13:00 Padiglione 3</p> <p>LA BARBERA DANIELE Friday 12:00 14:00 skype: danielabarbera500@gmail.com</p> <p>LO BAIDO ROSA Monday 9:00 11:00 Via la loggia, 1.</p> <p>SCHILLACI CARMELINA Monday 09:00 12:00 Piattaforma Microsoft Teams</p> <p>SCIME' ROSA Wednesday 18:30 20:00 Caltanissetta</p> <p>SORBELLO ROSARIO Monday 11:00 13:00 Stanza del Professore, Edificio 6, terzo piano</p> | | |

VITABILE SALVATORE

Monday 16:30 18:30 Piattaforma Microsoft Teams oppure in presenza presso il Dipartimento di Biomedicina, Neuroscienze e Diagnostica avanzata, Plesso di Radiologia – 1° piano, Stanza n. 108.

| | |
|---------------------------|---|
| PREREQUISITES | An A1 level of English (as described by the Common European Framework of References for Languages), and an ECDL (European Computer Driving License), knowledge of Italian language and general knowledge are recommended but not compulsory. |
| LEARNING OUTCOMES | <p>Knowledge and understanding At the end of the course students will be expected to have acquired linguistic and communicative skills (B1 Level of CEFR), a basic use of the specialized terminology and language registers required to pursue the medical profession in different communicative situations, and a basic knowledge of simple computer system structure and principles, methods and techniques for health information management.</p> <p>-to acquire and develop the concept of humanistic medicine; -know and understand the ethics of interpersonal and professional relationships relations and the fundamental principles of medical ethics; -know and understand the main mechanisms of communication and interpersonal relationship, even techno-mediated;</p> <p>Applying knowledge -Acquisition of communication techniques for a more 'effective contact with the patient; Ability 'to recognize the patient in its uniqueness' and totality; Ability 'to transfer into reality' operational skills 'communicative acquired in order to carry out the activity' according to a clinical patient-based approach; Students should be able to understand and write simple specialized texts (e.g. abstract; formal letters), record patient data on a clinical chart, deal with most communicative situations likely to arise when talking with a patient according to the different language registers. Students will be also expected to have acquired the ability to use health information and communication technology as a useful support for diagnostic, therapeutic, and preventive health practice. Students should also be able to use the common tools for medical data analysis (e.g. electronic spreadsheet) as well as to implement and manage a simple electronic health record.</p> <p>Communicative skills Students should be able to report (in a clear and confinement way) on the topics dealt with during the course and related to doctor-patient communication and Computer Science.</p> <p>Learning skills This course does not pretend to cover all the aspects and topics of English for Medicine and Computer Science but it aims at developing students' awareness of the acquired competences for self-directed learning of content and methods necessary and required in their professional lives. The evaluation scheme is the following: 0 - insufficient knowledge of the contents required by the specific question or the student does not answer; I 18-20 vote; minimum basic knowledge of the subject requested and poor elaborative capacity; II vote 21-24; just enough knowledge of the subject, and limited language abilities; III 25-27 vote good knowledge of the issues and good language abilities; the student is able to correlate the different topics which has studied IV 28-30 vote more than good acquisition of the course content and excellent language abilities and synthesis abilities The oral test consists of a conversation usually lasting 20-30 minutes in order to check the knowledge of the topics of the course related to the remaining two thirds of the program. The final Evaluation will also consider the assessment reached in the ongoing evaluation.</p> |
| ASSESSMENT METHODS | <p>A three-part written exam composed by 48 multiple choice questions (10 questions concerning Communication, 24 questions concerning the English language and 14 questions concerning Computer Science) will measure and asses students' Communication, English language and Computer science level and quality of knowledge and competence. The scores are calculated as follows: 1 point is awarded for each correct answer. Passing the exam requires a minimum number of correct answers (6 correct answers concerning</p> <p>Communication, 15 correct answers concerning the English language and a minimum of 8 correct answers concerning Computer Science). Candidates are given a set time limit for the three-part written exam (75 minutes). The calculation of the final grade is proportional to the number of correct answers multiplying the sum of the correct answers by the coefficient 0.6875. If the resulting grade following the first decimal is equal to five or above, the total is rounded up. The candidate is evaluated according to the level of his knowledge and receives an assessment out of thirty as final grade (the minimum pass mark</p> |

| | |
|-------------------------|---|
| | <p>is 18\30 and the maximum pass mark is 30 30 cum laude). Final vote will be expressed according the following scheme: 30-30 e Lode: A-A + Excellent 27-29: B Very good 24-26: C Good 21-23: D Satisfactory 18-20: E Sufficient 1-17: F Fail (http://www.unipa.it/scuole/dimedicinaechirurgia/.content/documenti/Tabella- Valutazione-Italiana.pdf)</p> |
| TEACHING METHODS | Lessons accompanied by slides |

DOCENTE: Prof. DANIELE LA BARBERA- Sede *CHIRONE*

| | |
|---------------------------|--|
| PREREQUISITES | An A2 level of English (as described by the Common European Framework of References for Languages), and an ECDL (European Computer Driving License), knowledge of Italian language and general knowledge are recommended but not compulsory. |
| LEARNING OUTCOMES | <p>Knowledge and understanding At the end of the course students will be expected to have acquired linguistic and communicative skills (B2 Level of CEFR), a basic use of the specialized terminology and language registers required to pursue the medical profession in different communicative situations, and a basic knowledge of simple computer system structure and principles, methods and techniques for health information management.</p> <p>-to acquire and develop the concept of humanistic medicine; -know and understand the ethics of interpersonal and professional relationships relations and the fundamental principles of medical ethics; -know and understand the main mechanisms of communication and interpersonal relationship, even techno-mediated;</p> <p>Applying knowledge -Acquisition of communication techniques for a more 'effective contact with the patient; Ability 'to recognize the patient in its uniqueness' and totality; Ability 'to transfer into reality' operational skills 'communicative acquired in order to carry out the activity' according to a clinical patient-based approach; Students should be able to understand and write simple specialized texts (e.g. abstract; formal letters), record patient data on a clinical chart, deal with most communicative situations likely to arise when talking with a patient according to the different language registers. Students will be also expected to have acquired the ability to use health information and communication technology as a useful support for diagnostic, therapeutic, and preventive health practice. Students should also be able to use the common tools for medical data analysis (e.g. electronic spreadsheet) as well as to implement and manage a simple electronic health record.</p> <p>Communicative skills Students should be able to report (in a clear and confident way) on the topics dealt with during the course and related to doctor-patient communication and Computer Science.</p> <p>Learning skills This course does not pretend to cover all the aspects and topics of English for Medicine and Computer Science but it aims at developing students' awareness of the acquired competences for self-directed learning of content and methods necessary and required in their professional lives. The evaluation scheme is the following: 0 - insufficient knowledge of the contents required by the specific question or the student does not answer; I 18-20 vote; minimum basic knowledge of the subject requested and poor elaborative capacity; II vote 21-24; just enough knowledge of the subject, and limited language abilities; III 25-27 vote good knowledge of the issues and good language abilities; the student is able to correlate the different topics which has studied IV 28-30 vote more than good acquisition of the course content and excellent language abilities and synthesis abilities The oral test consists of a conversation usually lasting 20-30 minutes in order to check the knowledge of the topics of the course related to the remaining two thirds of the program. The final Evaluation will also consider the assessment reached in the ongoing evaluation.</p> |
| ASSESSMENT METHODS | A three-part written exam composed by 48 multiple choice questions (10 questions concerning Communication, 24 questions concerning the English language and 14 questions concerning Computer Science) will measure and |

| | |
|-------------------------|--|
| | <p>asses students' Communication, English language and Computer science level and quality of knowledge and competence. The scores are calculated as follows: 1 point is awarded for each correct answer. Passing the exam requires a minimum number of correct answers (6 correct answers concerning Communication, 15 correct answers concerning the English language and a minimum of 8 correct answers concerning Computer Science). Candidates are given a set time limit for the three-part written exam (75 minutes). The calculation of the final grade is proportional to the number of correct answers. If the resulting grade following the first decimal is equal to five or above, the total is rounded up. The candidate is evaluated according to the level of his knowledge and receives an assessment out of thirty as final grade. Final vote will be expressed according the following scheme:</p> <p>30-30 e Lode: A-A+ Excellent 27-29: B Very good 24-26: C Good 21-23: D Satisfactory 18-20: E Sufficient 1-17: F Fail</p> <p>(http://www.unipa.it/scuole/dimedicinaechirurgia/.content/documenti/Tabella-Valutazione-Italiana.pdf)</p> |
| TEACHING METHODS | Lessons accompanied by slides |

| | |
|---------------------------|---|
| PREREQUISITES | An A2 level of English (as described by the Common European Framework of References for Languages), and an ECDL (European Computer Driving License), knowledge of Italian language and general knowledge are recommended but not compulsory. |
| LEARNING OUTCOMES | <p>Knowledge and understanding At the end of the course students will be expected to have acquired linguistic and communicative skills (B2 Level of CEFR), a basic use of the specialized terminology and language registers required to pursue the medical profession in different communicative situations, and a basic knowledge of simple computer system structure and principles, methods and techniques for health information management.</p> <p>-to acquire and develop the concept of humanistic medicine; -know and understand the ethics of interpersonal and professional relationships relations and the fundamental principles of medical ethics; -know and understand the main mechanisms of communication and interpersonal relationship, even techno-mediated;</p> <p>Applying knowledge -Acquisition of communication techniques for a more 'effective contact with the patient; Ability 'to recognize the patient in its uniqueness' and totality; Ability 'to transfer into reality' operational skills 'communicative acquired in order to carry out the activity' according to a clinical patient-based approach; Students should be able to understand and write simple specialized texts (e.g. abstract; formal letters), record patient data on a clinical chart, deal with most communicative situations likely to arise when talking with a patient according to the different language registers. Students will be also expected to have acquired the ability to use health information and communication technology as a useful support for diagnostic, therapeutic, and preventive health practice. Students should also be able to use the common tools for medical data analysis (e.g. electronic spreadsheet) as well as to implement and manage a simple electronic health record.</p> <p>Communicative skills Students should be able to report (in a clear and confinement way) on the topics dealt with during the course and related to doctor-patient communication and Computer Science.</p> <p>Learning skills This course does not pretend to cover all the aspects and topics of English for Medicine and Computer Science but it aims at developing students' awareness of the acquired competences for self-directed learning of content and methods necessary and required in their professional lives. The evaluation scheme is the following: 0 - insufficient knowledge of the contents required by the specific question or the student does not answer; I 18-20 vote; minimum basic knowledge of the subject requested and poor elaborative capacity; II vote 21-24; just enough knowledge of the subject, and limited language abilities; III 25-27 vote good knowledge of the issues and good language abilities; the student is able to correlate the different topics which has studied IV 28-30 vote more than good acquisition of the course content and excellent language abilities and synthesis abilities The oral test consists of a conversation usually lasting 20-30 minutes in order to check the knowledge of the topics of the course related to the remaining two thirds of the program. The final Evaluation will also consider the assessment reached in the ongoing evaluation.</p> |
| ASSESSMENT METHODS | <p>A three-part written exam composed by 48 multiple choice questions (10 questions concerning Communication, 24 questions concerning the English language and 14 questions concerning Computer Science) will measure and asses students' Communication, English language and Computer science level and quality of knowledge and competence. The scores are calculated as follows: 1 point is awarded for each correct answer. Passing the exam requires a minimum number of correct answers (6 correct answers concerning Communication, 15 correct answers concerning the English language and a minimum of 8 correct answers concerning Computer Science). Candidates are given a set time limit for the three-part written exam (75 minutes). The calculation of the final grade is proportional to the number of correct answers. If the resulting grade following the first decimal is equal to five or above, the total is rounded up. The candidate is evaluated according to the level of his knowledge and receives an assessment out of thirty as final grade. Final vote will be expressed according the following scheme: 30-30 e Lode: A-A+ Excellent</p> |

| | |
|-------------------------|--|
| | 27-29: B Very good 24-26: C Good 21-23: D Satisfactory 18-20: E Sufficient 1-17: F Fail (http://www.unipa.it/scuole/dimedicinaechirurgia/.content/documenti/Tabella-Valutazione-Italiana.pdf) |
| TEACHING METHODS | Lessons accompanied by slides |

| | |
|---|---|
| MODULE PSYCHIATRY | |
| <i>Prof. ANTONIO FRANCOMANO - Sede HYPATIA, - Sede HYPATIA</i> | |
| SUGGESTED BIBLIOGRAPHY | |
| Virzi' A. (2007), La relazione medico-paziente. Come riumanizzare il rapporto: un manuale introduttivo . Franco Angeli Ed (Milano) | |
| AMBIT | 50420-Clinica psichiatrica e discipline del comportamento |
| INDIVIDUAL STUDY (Hrs) | 30 |
| COURSE ACTIVITY (Hrs) | 20 |
| EDUCATIONAL OBJECTIVES OF THE MODULE | |
| Acquiring the basic tools needed to develop a patient-centered approach and humanisation of health care. | |

SYLLABUS

| Hrs | Frontal teaching |
|-----|---|
| 1 | Introduction |
| 1 | verbal and non-verbal communication |
| 2 | Interpersonal communication and its structure. Communication theory and its principles. |
| 2 | The clinical interview and medical history. Effective communication. |
| 2 | The interpersonal relationship |
| 2 | Helping relationship and helping professions. |
| 2 | Doctor-patient communication |
| 1 | Communication ethics in relationship. Medical ethics |
| 2 | Communication ethics in relationship. Medical ethics |
| 2 | Doctor-patient relationship |
| 2 | Communication technology and new social media. Opportunities and risks in the new media |
| 1 | Health worker's psychological well-being |

**MODULE
PSYCHIATRY**

Prof. DANIELE LA BARBERA - Sede CHIRONE, - Sede CHIRONE

SUGGESTED BIBLIOGRAPHY

Simeoni I., De Santi A.M. (2009), Comunicazione in Medicina, Ediz. SSED.

| | |
|-------------------------------|---|
| AMBIT | 50420-Clinica psichiatrica e discipline del comportamento |
| INDIVIDUAL STUDY (Hrs) | 30 |
| COURSE ACTIVITY (Hrs) | 20 |

EDUCATIONAL OBJECTIVES OF THE MODULE

Acquiring the basic tools needed to develop a patient-centered approach and humanisation of health care.

SYLLABUS

| Hrs | Frontal teaching |
|------------|---|
| 1 | Introduction |
| 2 | Interpersonal communication and its structure. Communication theory and its principles. |
| 2 | verbal and non-verbal communication |
| 2 | The clinical interview and medical history. Effective communication. |
| 1 | The interpersonal relationship |
| 2 | Helping relationship and helping professions. |
| 2 | Doctor-patient communication |
| 2 | Communication ethics in relationship. Medical ethics. |
| 2 | doctor-patient relationship |
| 1 | Communication technology and new social media. Opportunities and risks in the new social media. |
| 1 | Health worker's psychological well-being |
| 2 | Bioethics and professional ethics |

**MODULE
COMPUTER SCIENCE**

Prof. ROSARIO SORBELLO - Sede CHIRONE, - Sede CHIRONE

SUGGESTED BIBLIOGRAPHY

D. Sciuto, G. Buonanno, L. Mari; Introduzione ai sistemi informatici 5/ed, McGraw-Hill.

• Brogi, A. Martinelli, V. Gervasi, P. Manghi, A. Fabrizio, G. Pacini; Il foglio elettronico per Medicina e Farmacia, Collana IT4PS, McGraw-Hill.

• P. Manghi, A. Brogi, V. Gervasi, A. Martinelli, G. Fiorentino, A. P. Pala; Le basi di Dati per Medicina e Farmacia, Collana IT4PS, McGraw-Hill.

• Dispense integrative e lucidi proposti dal docente.

| | |
|-------------------------------|---|
| AMBIT | 50422-Funzioni biologiche integrate di organi, sistemi e apparati umani |
| INDIVIDUAL STUDY (Hrs) | 45 |
| COURSE ACTIVITY (Hrs) | 30 |

EDUCATIONAL OBJECTIVES OF THE MODULE

The course aims at providing basic knowledge associated to the Information and Communication Technology, as a useful support for diagnostic, therapeutic, and preventive health practice. The course offers an introduction to computer systems, taking a Personal Computer as the driving paradigm and analysing the related operating principles of the basic infrastructures: the hardware, the software, and the network infrastructures. In addition, the course will introduce the use of two main software tools for data analysis and management in health domain: the electronic spreadsheet and the database. In particular, databases will be presented as the basic element for electronic health record development and management. An introduction to the search strategies in the most common on-line databases is the final part of the course.

SYLLABUS

| Hrs | Frontal teaching |
|------------|---|
| 3 | Course introduction; Data and Information; Coding Systems. |
| 2 | Information representation and coding |
| 2 | Main characteristics of algorithms, programming languages, and source codes. |
| 4 | Hardware Infrastructure: introduction to computer architecture; central processing unit; memory systems; I/O devices. |
| 3 | Software Infrastructure: features and purposes of an operating system; major components of an operating system. |
| 2 | Network Infrastructure: data and information transmission; computer networks. |
| 2 | A brief introduction to TCP/IP; World Wide Web and e_mail. |
| 1 | Application programs. |
| 1 | An introduction to electronic spreadsheets. |
| 4 | Electronic spreadsheets: definition and management of a patient diet. |
| 1 | An introduction to databases and DBMS. |
| 4 | Database and DBMS: definition and management of electronic health records. |
| 1 | Search strategies in Google and Pubmed. |

**MODULE
COMPUTER SCIENCE**

Prof. SALVATORE VITABILE - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

- 1) D. Sciuto, G. Buonanno, L. Mari; Introduzione ai sistemi informatici 5/ed, McGraw-Hill.
2) P. Manghi, A. Brogi, V. Gervasi, A. Martinelli, G. Fiorentino, A. P. Pala; Le basi di Dati per Medicina e Farmacia, Collana IT4PS, McGraw-Hill.

Materiali didattici integrativi:

- 1) Dispense e lucidi forniti dal docente
2) A. Brogi, A. Martinelli, V. Gervasi, P. Manghi, A. Fabrizio, G. Pacini; Il foglio elettronico per Medicina e Farmacia, Collana IT4PS, McGraw-Hill.

| | |
|-------------------------------|---|
| AMBIT | 50422-Funzioni biologiche integrate di organi, sistemi e apparati umani |
| INDIVIDUAL STUDY (Hrs) | 45 |
| COURSE ACTIVITY (Hrs) | 30 |

EDUCATIONAL OBJECTIVES OF THE MODULE

The course aims at providing basic knowledge associated to the Information and Communication Technology, as a useful support for diagnostic, therapeutic, and preventive health practice. The course offers an introduction to computer systems, taking a Personal Computer as the driving paradigm and analysing the related operating principles of the basic infrastructures: the hardware, the software, and the network infrastructures. In addition, the course will introduce the use of two main software tools for data analysis and management in health domain: the electronic spreadsheet and the database. In particular, databases will be presented as the basic element for electronic health record development and management. An introduction to the search strategies in the most common on-line databases is the final part of the course.

SYLLABUS

| Hrs | Frontal teaching |
|------------|---|
| 3 | Course introduction; Data and Information; Coding Systems. |
| 2 | Information representation and coding. |
| 2 | Main characteristics of algorithms, programming languages, and source codes. |
| 4 | Hardware Infrastructure: introduction to computer architecture; central processing unit; memory systems; I/O devices. |
| 3 | Software Infrastructure: features and purposes of an operating system; major components of an operating system. |
| 2 | Network Infrastructure: data and information transmission; computer networks. |
| 2 | A brief introduction to TCP/IP; World Wide Web and e_mail. |
| 1 | Application programs. |
| 1 | An introduction to electronic spreadsheets. |
| 4 | Electronic spreadsheets: definition and management of a patient diet. |
| 1 | An introduction to databases and DBMS. |
| 4 | Database and DBMS: definition and management of electronic health records. |
| 1 | Search strategies in Google and Pubmed. |

**MODULE
ENGLISH LANGUAGE**

Prof.ssa CARMELINA SCHILLACI - Sede CHIRONE, - Sede CHIRONE

SUGGESTED BIBLIOGRAPHY

Per la parte grammaticale:

Hird, J., The Complete English Grammar for Italian Students, Oxford University Press.

(consigliato/recommended) Swan M., Practical English Usage, Oxford University Press (per livelli superiori al B1).

Per la parte di Inglese specialistico (a scelta uno dei seguenti testi\ recommended but not compulsory):

Mungra, P., Reading Skills in Medical English, Delfino Editore

Bettinelli et al., English for Medicine, Hoepli

| | |
|-------------------------------|--|
| AMBIT | 50405-Inglese scientifico e abilità linguistiche, informatiche e relazionali, pedagogia medica, tecnologie avanzate e a distanza di informazione e comunicazione |
| INDIVIDUAL STUDY (Hrs) | 75 |
| COURSE ACTIVITY (Hrs) | 50 |

EDUCATIONAL OBJECTIVES OF THE MODULE

The main focus of this course is to improve students' vocabulary, grammar, and reading skills with particular attention to doctor-patient communication. The teaching objectives of this course are: 1) enhancement of students' ability to communicate with their patients using different language registers; 2) improvement of students' reading comprehension ability while browsing English Medical websites. Special attention will be given to the specialized lexicon, and the lexical composition and reading of specialized texts in order to guide students to use English in their professional daily life and research.

SYLLABUS

| Hrs | Frontal teaching |
|------------|---|
| 1 | Subject and object personal pronouns, possessive adjectives and pronouns. |
| 2 | Regular and irregular plurals and the plural of nouns of Greek and Latin origin; the Possessive Case. |
| 1 | Cardinal and ordinal numbers. How to say the date and the time. |
| 1 | Definite and indefinite articles. Use of the definite article before parts of the body and diseases. Indefinite Pronouns. |
| 1 | Time and place prepositions. |
| 2 | Relative and question pronouns. Defining and non-defining relative clauses. |
| 1 | Comparative and superlative adjectives. |
| 2 | The nominal style in medical English. Particular use of the -ing form to build up discourse. The gerund. Some prepositions followed by the -ing form. |
| 2 | The Simple Present of auxiliary and non auxiliary verbs. The Present Continuous. |
| 4 | The forms of future. |
| 1 | The Imperative. |
| 2 | Simple Past and Present Perfect. Frequency adverbs and time expressions. |
| 2 | Present and Past Perfect Simple and Continuous and Duration Form. |
| 3 | The Conditionals: 0, 1st, 2nd and 3rd type with particular attention to doctor/patient communication. Future in the past and Mixed Conditionals. |
| 2 | Present and Perfect Conditional and Past Perfect. |
| 3 | Modal and semi-modal verbs. |
| 1 | Question Tags. |
| 2 | Phrasal verbs. The Passive Form. |
| 1 | Make\Let\Get\have + infinitive. |
| 1 | Reported Speech and modifiers. |
| 9 | Doctor – patient communication in English. Asking about personal details and filling into an Admission card (1) Asking about pain: location, duration and type of pain (2) On examination: Instructions (2) General health questions concerning: - Medical history (2) - Family History (2) |
| 2 | Medical Written Communication: abstract, scientific paper and IMRAD with a special focus on narrative tenses. |
| 3 | Specialized lexicon: Human body, clinical chart, medical specialties, health professions, Hospital wards/departments, medical acronyms and initialisms. Medical and lay terms when talking about symptoms in doctor-patient communication. |

| | |
|---|--|
| 1 | Expressing habits in the past: used to and would. Expressing regrets: wish and if only. |
|---|--|

MODULE COMPUTER SCIENCE

Prof.ssa DONATELLA GIUNTA - Sede HYPATIA, - Sede HYPATIA

SUGGESTED BIBLIOGRAPHY

D. Sciuto, G. Buonanno, L. Mari; Introduzione ai sistemi informatici 5/ed, McGraw-Hill.

- Brogi, A. Martinelli, V. Gervasi, P. Manghi, A. Fabrizio, G. Pacini; Il foglio elettronico per Medicina e Farmacia, Collana IT4PS, McGraw-Hill.
- P. Manghi, A. Brogi, V. Gervasi, A. Martinelli, G. Fiorentino, A. P. Pala; Le basi di Dati per Medicina e Farmacia, Collana IT4PS, McGraw-Hill.
- Dispense integrative e siti web proposti dal docente.

| | |
|-------------------------------|---|
| AMBIT | 50422-Funzioni biologiche integrate di organi, sistemi e apparati umani |
| INDIVIDUAL STUDY (Hrs) | 45 |
| COURSE ACTIVITY (Hrs) | 30 |

EDUCATIONAL OBJECTIVES OF THE MODULE

The course aims at providing basic knowledge associated to the Information and Communication Technology, as a useful support for diagnostic, therapeutic, and preventive health practice. The course offers an introduction to computer systems, taking a Personal Computer as the driving paradigm and analysing the related operating principles of the basic infrastructures: the hardware, the software, and the network infrastructures. In addition, the course will introduce the use of two main software tools for data analysis and management in health domain: the electronic spreadsheet and the database. In particular, databases will be presented as the basic element for electronic health record development and management. An introduction to the search strategies in the most common on-line databases is the final part of the course.

SYLLABUS

| Hrs | Frontal teaching |
|-----|---|
| 3 | Course introduction; Data and Information; Coding Systems. |
| 3 | Information representation and coding |
| 3 | Main characteristics of algorithms, programming languages, and source codes. |
| 4 | Hardware Infrastructure: introduction to computer architecture; central processing unit; memory systems; I/O devices. |
| 3 | Software Infrastructure: features and purposes of an operating system; major components of an operating system. |
| 3 | Network Infrastructure: data and information transmission; computer networks. |
| 3 | A brief introduction to TCP/IP; Internet and World Wide Web, e_mail. Internet of things (IOT). Artificial intelligence (AI) and robotics. |
| 1 | Application programs. |
| 1 | An introduction to databases and DBMS. |
| 4 | Database and DBMS: definition and management of electronic health records. |
| 2 | Search strategies in Google and Pubmed. |

**MODULE
PSYCHIATRY**

Prof.ssa ROSA LO BAIDO - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

Simeoni I., De Santi A.M. (2009), Comunicazione in Medicina, Ediz. SSED.

| | |
|-------------------------------|---|
| AMBIT | 50420-Clinica psichiatrica e discipline del comportamento |
| INDIVIDUAL STUDY (Hrs) | 30 |
| COURSE ACTIVITY (Hrs) | 20 |

EDUCATIONAL OBJECTIVES OF THE MODULE

Acquiring the basic tools needed to develop a patient-centered approach and humanisation of health care.

SYLLABUS

| Hrs | Frontal teaching |
|------------|---|
| 1 | Introduction hours |
| 1 | Interpersonal communication and its structure. |
| 1 | Verbal and non-verbal communication |
| 1 | History of doctor-patient relationship. From paternalism to narrative medicine |
| 2 | The clinical interview and medical history. Effective communication |
| 2 | The interpersonal relationship |
| 2 | Helping relationship and helping professions |
| 2 | Doctor-patient communication |
| 1 | Health worker's psychological well-being |
| 2 | Communication technology and new social media. Opportunities and risks in the new media |
| 1 | Health worker's psychological well-being |
| 2 | Communication ethics in relationship. Medical ethics |
| 2 | Doctor-patient relationship |

**MODULE
ENGLISH LANGUAGE**

Prof.ssa ROSA SCIME' - Sede HYPATIA, - Sede HYPATIA

SUGGESTED BIBLIOGRAPHY

Per la parte grammaticale:

Hird, J., The Complete English Grammar for Italian Students, Oxford University Press.

(consigliato/recommended) Swan M., Practical English Usage, Oxford Univeristy Press (per livelli superiori al B1).

Per la parte di Inglese specialistico (a scelta uno dei seguenti testi\ recommended but not compulsory):

Mungra, P., Reading Skills in Medical English, Delfino Editore

Bettinelli et al., English for Medicine, Hoepli

| | |
|-------------------------------|--|
| AMBIT | 50405-Inglese scientifico e abilità linguistiche, informatiche e relazionali, pedagogia medica, tecnologie avanzate e a distanza di informazione e comunicazione |
| INDIVIDUAL STUDY (Hrs) | 75 |
| COURSE ACTIVITY (Hrs) | 50 |

EDUCATIONAL OBJECTIVES OF THE MODULE

The main focus of this course is to improve students' vocabulary, grammar, and reading skills with particular attention to doctor-patient communication.

The teaching objectives of this course are:

1) enhancement of students' ability to communicate with their patients using different language registers;

2) improvement of students' reading comprehension ability while browsing English Medical websites.

Special attention will be given to the specialized lexicon, and the lexical composition and reading of specialized texts in order to guide students to use English in their professional daily life and research.

SYLLABUS

| Hrs | Frontal teaching |
|-----|---|
| 1 | Subject and object personal pronouns, possessive adjectives and pronouns. |
| 2 | Regular and irregular plurals and the plural of nouns of Greek and Latin origin; the Possessive Case. |
| 1 | Cardinal and ordinal numbers. How to say the date and the time. |
| 1 | Definite and indefinite articles. Use of the definite article before parts of the body and diseases. Indefinite Pronouns. |
| 1 | Time and place prepositions. |
| 1 | Relative and question pronouns. |
| 1 | Comparative and superlative adjectives. |
| 3 | The nominal style in medical English. Particular use of the -ing form to build up discourse. The gerund. Some prepositions followed by the -ing form. |
| 3 | The Simple Present of auxiliary and non auxiliary verbs. The Present Continuous. |
| 3 | The forms of future. |
| 1 | The Imperative. |
| 2 | Simple Past and Present Perfect. Frequency adverbs and time expressions. |
| 2 | Present and Past Perfect Simple and Continuous and Duration Form. |
| 3 | The Conditionals: 0, 1st, 2nd and 3rd type with particular attention to doctor/patient communication. Future in the past. |
| 2 | Present and Perfect Conditional and Past Perfect. |
| 3 | Modal verbs |
| 1 | Question Tags |
| 2 | Phrasal verbs. The Passive Form. |
| 2 | Make\Let\Get\have + infinitive. |
| 1 | Reported Speech and modifiers. |
| 9 | Doctor – patient communication in English. Asking about personal details and filling into an Admission card (1) Asking about pain: location, duration and type of pain (2) On examination: Instructions (2) General health questions concerning: - Medical history (2) - Family History (2) |
| 2 | Medical Written Communication Research article: IMRAD |

Specialized lexicon: Human body, clinical chart, medical specialties, health professions, Hospital wards/departments, medical acronyms and initialisms. Medical and lay terms when talking about symptoms in doctor-patient communication.

**MODULE
ENGLISH LANGUAGE**

Prof.ssa TATIANA CANZIANI - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

Per la parte grammaticale:

Hird, J., *The Complete English Grammar for Italian Students*, Oxford University Press.

(consigliato/recommended) Swan M., *Practical English Usage*, Oxford University Press (per livelli superiori al B1).

Per la parte di Inglese specialistico (a scelta uno dei seguenti testi\ recommended but not compulsory):

Mungra, P. (2005). *Reading Skills in Medical English*. Delfino Editore

Bettinelli et al. (2005). *English for Medicine*. Hoepli

Pesce, Carlo (2020). *Medical English*. Zanichelli

| | |
|-------------------------------|--|
| AMBIT | 50405-Inglese scientifico e abilità linguistiche, informatiche e relazionali, pedagogia medica, tecnologie avanzate e a distanza di informazione e comunicazione |
| INDIVIDUAL STUDY (Hrs) | 75 |
| COURSE ACTIVITY (Hrs) | 50 |

EDUCATIONAL OBJECTIVES OF THE MODULE

The main focus of this course is to improve students' vocabulary, grammar, and reading skills with particular attention to doctor-patient communication. The teaching objectives of this course are: 1) enhancement of students' ability to communicate with their patients using different language registers; 2) improvement of students' reading comprehension ability while browsing English Medical websites. Special attention will be given to the specialized lexicon, and the lexical composition and reading of specialized texts in order to guide students to use English in their professional daily life and research.

SYLLABUS

| Hrs | Frontal teaching |
|------------|---|
| 1 | Subject and object personal pronouns, possessive adjectives and pronouns. |
| 2 | Regular and irregular plurals and the plural of nouns of Greek and Latin origin; the Possessive Case. |
| 1 | Cardinal and ordinal numbers. How to say the date and the time. |
| 1 | Definite and indefinite articles. Use of the definite article before parts of the body and diseases. Indefinite Pronouns. |
| 1 | Time and place prepositions. |
| 2 | Relative and question pronouns. Defining and non-defining relative clauses. |
| 1 | Comparative and superlative adjectives. |
| 2 | The nominal style in medical English. Particular use of the -ing form to build up discourse. The gerund. Some prepositions followed by the -ing form. |
| 2 | The Simple Present of auxiliary and non auxiliary verbs. The Present Continuous. |
| 4 | The forms of future. |
| 1 | The Imperative. |
| 2 | Simple Past and Present Perfect. Frequency adverbs and time expressions. |
| 2 | Present and Past Perfect Simple and Continuous and Duration Form. |
| 3 | The Conditionals: 0, 1st, 2nd and 3rd type with particular attention to doctor/patient communication. Future in the past and Mixed Conditionals. |
| 2 | Present and Perfect Conditional and Past Perfect. |
| 3 | Modal and semi-modal verbs. |
| 1 | Question Tags. |
| 2 | Phrasal verbs. The Passive Form. |
| 1 | Make\Let\Get\have + infinitive. |
| 1 | Reported Speech and modifiers. |
| 9 | Doctor – patient communication in English. Asking about personal details and filling into an Admission card (1) Asking about pain: location, duration and type of pain (2) On examination: Instructions (2) General health questions concerning: - Medical history (2) - Family History (2) |
| 2 | Medical Written Communication: abstract, scientific paper and IMRAD with a special focus on narrative tenses. |

| | |
|---|--|
| 3 | Specialized lexicon: Human body, clinical chart, medical specialties, health professions, Hospital wards/departments, medical acronyms and initialisms. Medical and lay terms when talking about symptoms in doctor-patient communication. |
| 1 | Expressing habits in the past: used to and would. Expressing regrets: wish and if only. |