

Course Code MED-310	Course Title Integrated Clinical Practice IV	ECTS Credits 6
School Medical School	Semester Spring (Semester 6)	Prerequisites MED-305 Integrated Clinical Practice III
Type of Course Required	Field Medicine	Language of Instruction English
Level of Course Undergraduate	Year of Study 3rd	Course Lead: Dr Evie Vasiliou
Mode of Delivery Face-to-face	Work Placement Clinical and Community Placements	Co-requisites None

Objectives of the Course:

This is the penultimate Integrated Clinical Practice course that students will take. They will be able to build on the clinical and communication skills learnt in MED-205 ICP I, MED-210 ICP II and MED-305 ICP III.

They will practise further clinical and communication skills related to the courses running concurrently, initially on each other and subsequently on selected patients in the community.

Communication Skills: Students, in small groups, will learn the basic principles of patient doctor communication, and will learn how to gather information from a patient and how to give information to a patient.

Clinical Skills: Students, in small groups, will practise some of the basic aspects of clinical skills in medicine using mannequins. All clinical examinations will be peer examinations i.e. the students will be examining each other.

Clinical Placements: Students will attend three clinical placements on **dyspepsia and osteoarthritis**.

Workshops: Students will attend three workshops on **hearing impairment, dyspepsia and osteoarthritis**.

In addition to the above, additional lectures, tutorials and workshops will be scheduled to enhance the learning experience and to re-visit some topics covered in years 1 and 2 (spiral learning). These sessions will be in the areas of **medical psychology, infancy and childhood, adolescence, medical ethics, and research methods**.

Learning Outcomes:

The following list provides the learning objectives that will be covered in sessions of each week:

Week 1

Additional lectures, tutorials and workshops:
'Communicating with interpreters'- Lecture

(Communications -Dr Panayiota Andreou).

LOBs:

1. Explain the issues involved in using an interpreter during consultation.

LOBs covered during communication skills sessions:

2. Describe the challenges of working with interpreters.
3. Identify and practise skills needed to work effectively with interpreters.

No clinical skills this week.

Week 2

No communication and clinical skills sessions this week.

Additional lectures, tutorials and workshops:

*'Child Psychopathology I, II & III'- Lectures
(Psychology -Dr Stelios Georgiades).*

LOBs:

4. Outline the most common childhood psychiatric disorders.
5. Outline the epidemiology, the method of assessment, diagnosis and treatment of childhood affective disorders.
6. Outline the epidemiology, the method of assessment, diagnosis and treatment of childhood anxiety disorders.
7. Outline the epidemiology, the method of assessment, diagnosis and treatment of ADHD.

Week 3

Additional lectures, tutorials and workshops:

*'Communicating with children within a health care environment'- Lecture
(Communications -Dr Panayiota Andreou).*

LOBs:

8. Identify and discuss the challenges when interviewing children.

LOBs covered during communication skills sessions:

9. Describe the challenges when interviewing children.
10. Identify and practise C/C skills when interviewing children during medical consultations.

LOBs covered during clinical skills sessions:

11. Demonstrate competent handling of an otoscope and otoscopy technique.
12. Describe the anatomy of the outer and middle ear, identifying structures that can be seen using the otoscope.
13. Perform whispered voice and tuning fork hearing tests on a colleague.

Additional lectures, tutorials and workshops:

Specific Workshop on Hearing Impairment

LOBs:

14. Understand the different patterns of hearing impairment.
15. Outline the possible social impact of hearing impairment.
16. Take history from a patient with hearing difficulties.

17. Manage a patient with hearing impairment.

'Child Abuse' – Lecture

(Psychology-Ms Maria Perdikogianni)

LOBs:

18. Define child abuse and neglect.
19. List and describe the different types of abuse in children.
20. Describe the physical, psychological/emotional and cognitive symptoms of abuse in children
21. Outline the stages of management of child abuse cases by physicians in the UK.
22. Discuss when medical confidentiality can be breached.

'Infancy and childhood: Normal physical changes and developmental stages' - Lecture

(Paediatrics-Dr Leda Theophilou)

LOBs:

23. Describe the endocrine control of growth.
24. Describe the principles of plotting measurements on growth charts (weight, height, head circumference).
25. Explain variations in linear growth, including constitutional delay.
26. Explain the findings of normal physical examination in children.
27. Outline principles of nutrition in infancy and childhood.
28. Discuss the investigation and management of a child who is growth faltering.
29. Define primary and secondary enuresis.
30. Describe the investigation of a child with enuresis.
31. Outline the management of enuresis.
32. Describe common sleep disorders in children.
33. List the normal primitive reflexes and when they should disappear.
34. List the developmental milestones by age.
35. Define developmental delay.
36. Outline different patterns of developmental delay and how they can be investigated.
37. Describe how developmental delay can be managed by key members of the Multidisciplinary Team (MDT).

'Infancy and childhood: Lifestyle and routine preventive health care' - Lecture

(Paediatrics-Dr Leda Theophilou)

LOBs:

38. Discuss how children are screened for hypothyroidism and other congenital/ metabolic diseases.
39. Outline the clinical effects, screening and treatment of phenylketonuria (PKU).
40. Outline the newborn screening programme for hearing.
41. Describe the common routine childhood immunisation schedules.
42. List vaccinations that need to be given to risk groups.
43. Describe the public health importance of immunisation, including the global context.
44. Identify the true and false contraindications to immunisation.
45. Describe attitudes that encompass promotion of healthy lifestyles for children and families.
46. Define childhood obesity, and outline the incidence and public health measures of dealing with this condition.
47. Recognise the importance of educating the public about environmental factors that can adversely affect children and developing community programs to promote the health

of children.

48. Demonstrate an awareness of the unique vulnerabilities of infants and children.
49. List the risk factors for Sudden Infant Death Syndrome (SIDS).

***'Learning and Behavioural Therapy I & II' – Lectures
(Psychology- Dr Stelios Georgiades).***

LOBs:

50. Outline the origins of Behavioural Therapy.
51. Outline the main characteristics of the Behavioural Therapy.
52. Describe the different techniques employed in the Behavioural Therapy Approach.
53. Outline the advantages and disadvantages of this approach in the treatment of Psychological and Psychiatric disorders.

***'Sexual abuse against children: The legal parameters for medical personnel' - Lecture
(Law - Dr Antonis Stylianou)***

LOBs:

54. Demonstrate knowledge of key definitional issues in relation to sexual abuse against children as provided for in the relevant law.
55. Demonstrate knowledge of the issues covered in the Council of Europe Convention on Protection of Children against Sexual Exploitation and Sexual Abuse (also known as the Lanzarote Convention).
56. Describe the implementation of the relevant law and the Lanzarote Convention.
57. Explain the implications of the relevant law and the Lanzarote Convention on the practice of medical personnel.
58. Develop a working knowledge of the practice of medical personnel in cases of sexual abuse against children as provided for by the law and the Lanzarote Convention.
59. Outline the strategies in combating child sexual abuse and the role of medical personnel.
60. Be aware of the statistics relating to child sexual abuse.

Week 4

LOBs covered during communication skills sessions:

61. Describe the challenges when interviewing adolescents.
62. Identify and practise C/C skills when interviewing adolescents during medical consultations.

LOBs covered during clinical skills sessions:

63. Perform ophthalmoscopy/fundoscopy on a model and on colleagues in a safe and competent manner.
64. Know how to describe normal fundus of the eye in a systematic way.
65. Revise cranial nerves 2,3,4,6.

Additional lectures, tutorials and workshops:

***'Learning and Behavioural Therapy III' – Lecture
(Psychology- Dr Stelios Georgiades)***

LOBs:

Same lobs as 50-53 shown above.

Workshop on Dyspepsia (Dr George Athanasiou)

Clinical placement (PTS Dyspepsia)

LOBs covered during workshop and placement:

66. Define dyspepsia and its likely causes.
67. Understand the differences between organic and functional dyspepsia.
68. Define the treatment of functional dyspepsia.
69. Describe the treatment of *Helicobacter pylori*.
70. Take a focused history from a patient with dyspepsia.
71. Perform a focused abdominal examination on a patient.
72. Outline the different investigations to diagnose and differentiate between functional and organic dyspepsia.
73. Discuss the management of a patient with dyspepsia.
74. Outline the red flags for referral to secondary care.

Week 5

No clinical and communication skills sessions in this week.

Additional lectures, tutorials and workshops:

'Adolescence: Normal physical changes' – Lecture (Paediatrics - Dr Nicos Skordis).

75. Describe the endocrine control of growth.
76. Describe the hormonal and physical changes which occur during puberty in boys and girls.
77. Define delayed and precocious puberty and list most common causes.

'Adolescence: Developmental changes' – Lecture (Psychology – Dr Stelios Georgiades).

78. Outline the main changes occurring in adolescence in cognitive, moral and social development.
79. Describe the role of peers in the development of Identity.
80. Describe problems associated with adolescence.

Week 6

LOBs covered during communication skills sessions:

81. Describe the challenges when interviewing adolescents
82. Identify & practice C/C skills of information giving when interviewing adolescents during medical consultations

LOBs covered during clinical skills sessions:

83. Become familiar with the processes of suturing and perform suturing on a mannequin.
84. Revise the principles of sterility and aseptic technique.

Additional lectures, tutorials and workshops:

'Issues related to patients' participation in research' – Lecture (Ethics -Dr Julia Hynes)

85. Understand the make-up of consent and the importance of attaining valid consent when patients agree to partake in research.

Week 7

LOBs covered during communication skills sessions:

86. Explain the consent process to which a clinician must adhere before an operative procedure.

LOBs covered during clinical skills sessions:

87. Become familiar and practise communication skills appropriate during ward rounds.

88. Practise presentation to a colleague-present the relevant case details only.

89. Discuss observations.

90. Perform relevant examinations.

91. Discuss possible management plans using your clinical reasoning skills.

Additional lectures, tutorials and workshops:

'Adolescence: Lifestyle and routine preventive health care' – Lecture (Paediatrics – Dr Irene Cotter)

92. Define and describe the characteristics of normal adolescence as a life phase.

93. Outline the major causes of mortality and morbidity in the adolescent age group.

94. Describe why health is so important during adolescence.

95. Describe the aims barriers and challenges in routine preventive health in adolescence.

96. Describe the guidelines for nutrition and physical activity in adolescence.

97. Describe the guidelines for reduction and mitigation of risk taking behaviour- safe sex, motor vehicles seat belts and helmets.

98. Outline routine vaccination schedules and travel medicine.

99. Explain effective implementation and evaluation of preventive health care in adolescence.

Week 8

No communication skills sessions in this week.

LOBs covered during clinical skills sessions:

100. Revise the abdominal examination on a colleague.

Additional lectures, tutorials and workshops:

'Personality Disorders II and II' – Lectures (Psychology-Dr Stelios Georgiades).

101. Outline the characteristics and associated symptoms of all personality disorders.

102. Outline the difference between personality disorders and other psychological/psychiatric disorders.

103. Describe the epidemiology, the method of assessment, diagnosis and treatment of the different personality disorders.

Sensitivity and Specificity of diagnostic tools – lecture and tutorial (Research methods and statistics-Dr Avgis Hadjipapas)

104. Discuss the main aims and differences of screening and diagnostic tests (lecture).

105. Describe and interpret sensitivity and specificity of screening and diagnostic tests (lecture).

106. Describe and interpret positive and negative predictive values of screening and diagnostic tests (lecture).

107. Describe and interpret the Likelihood Ratio in the context of screening and diagnostic

tests (lecture).

108. Calculate and interpret sensitivity, specificity, predictive values, and Likelihood Ratios for screening and diagnostic tests (tutorial).
109. Use diagnostic accuracy information (sensitivity, specificity, PPV, NPV, LR) to inform clinical practice and decisions about screening diagnosis (tutorial).

Workshop on Osteoarthritis (Dr George Athanasiou)

Clinical placement (PTS Osteoarthritis)

Lobs covered during workshop and placement:

110. Outline the different patterns of arthritis.
111. Discuss the clinical manifestation of osteoarthritis.
112. Identify the social impact of osteoarthritis.
113. Take a focused history from a patient with joint pain.
114. Perform a focused examination on a patient with arthritis.
115. Discuss the management of a patient with osteoarthritis.

Week 9

Additional lectures, tutorials and workshops:

'Communicating with patients and their carers'- Lecture (Communications -Dr Panayiota Andreou).

LOB:

116. Discuss the challenges when taking a history from an informant/bystander.

LOBs covered during communication skills sessions:

117. Become familiar and practise communication skills when taking a history from an informant/bystander.

LOBs covered during clinical skills sessions:

118. Discuss and practise the management of common first aid situations (chocking, fainting, nose bleed, laceration with a foreign body embedded in the wound, laceration without a foreign body in the wound).

Week 10

LOBs covered during communication skills sessions:

119. The Calgary/Cambridge guide on age related issues.
120. Identify the importance of stereotypes in medical consultations.
121. Identify the health and social profile of the elderly.
122. Demonstrate through role-play the appropriate skills for structuring the consultation, building rapport, information gathering, information giving and shared decision making when consulting with an elderly patient.

LOBs covered during clinical skills sessions:

123. Revise the rectal examination on a mannequin.
124. Revise the neurological examination on a colleague.

Week 11

LOBs covered during communication skills sessions:

125. Identify areas of clinical communication that have been covered that need improvement.
126. Revise the skills that could help refine the areas that need improvement.

Additional lectures, tutorials and workshops:

'Psychoanalysis I, II and III' – Lectures

(Psychology -Dr Stelios Georgiades)

127. Outline the origins of Psychoanalytic theory.
128. Outline the main characteristics of the Psychoanalytic Theory.
129. Outline the advantages and disadvantages of this theory in the treatment of Psychological and Psychiatric disorders.

'Cognitive Behavioural Therapy I, II and III' – Lectures

(Psychology -Dr Stelios Georgiades)

130. Outline the origins of Cognitive Behavioural Therapy.
131. Outline the main characteristics of the Cognitive Behavioural Therapy.
132. Describe the different techniques employed in the Cognitive Behavioural Therapy Approach.
133. Outline the advantages and disadvantages of the Cognitive Behavioural Therapy Approach in the treatment of Psychological and Psychiatric disorders.

Week 12

No comm skills this week.

LOBs covered during clinical skills sessions:

134. Revise the musculoskeletal examination on a colleague.
135. Identify areas of clinical skills that have been covered that need improvement.

Course Contents:

Topics covered in communication skills:

- Communicating with Interpreters (lecture)
- Communicating with children within a health care environment (lecture)
- Paediatrics comm skills – history
- Interviewing adolescents
- Pre – operative communication/consent
- Communicating with patients and their carers (lecture)
- Taking history from an informant/bystander
- Communicating with the elderly
- Review Session

Topics covered in clinical skills:

- Ear Exam
- Eye exam
- Suturing
- Simulated patient ward round

- Revision of Abdominal Examination
- First Aid
- Revision of Rectal Examination
- Revision of Neurological Examination
- Revision of Musculoskeletal System
- Review Session

Topics covered in other lectures and tutorials:

- Child Psychopathology
- Child Abuse
- Infancy and childhood: Normal physical changes and developmental stages
- Infancy and childhood: Lifestyle and routine preventive health care
- Learning and Behavioural Therapy
- Sexual abuse against children: The legal parameters for medical personnel
- Adolescence: Normal physical changes
- Adolescence: Developmental Stages
- Adolescence: Lifestyle and routine preventive health care
- Issues related to patient participation in research
- Personality Disorders
- Sensitivity and Specificity of diagnostic tools
- Psychoanalysis
- CBT

Workshops:

- Hearing Impairment (specific workshop)
- Dyspepsia
- Osteoarthritis

Clinical Placements: 2 Protected Time Sessions (PTS)

- PTS Dyspepsia
- PTS Osteoarthritis

Learning Activities and Teaching Methods:

The course is delivered through small group teaching in both clinical and communication skills.

Communication skills: small group teaching, group discussions, role playing.

Clinical skills: small group teaching, demonstration of examination techniques, and examinations on peers, practising and performing the skills on mannequins.

Clinical Placements: There would be 2 clinical placements during this semester where students will get to see patients under supervision. Both placements will be protected time specific sessions (PTS).

Lectures, tutorials and workshops: In addition to the sessions shown above, lectures, tutorials and workshops will be scheduled in the fields of **medical psychology, infancy and childhood, adolescence, medical ethics, and research methods.**

Assessment Methods:

Clinical placements attendance and professional behaviour (10%) Final examination (20%) End of semester OSCE (70%).

Required Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
Silverman, Jonathan	Skills for communicating with patients 3 rd Edition	Radcliffe Medical Press	2013	9781846193651
Douglas, Graham (ed.)	Macleod's clinical examination 13 th Edition	Elsevier Churchill Livingstone	2013	9780702047282
Khan, H et al.	OSCEs for Medical Finals 1 st Edition	Blackwell, Oxford	2013	9780470659410

Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
Talley and O'Connor	Clinical examination: a systematic guide to physical diagnosis 7 th Edition	Churchill Livingstone/ Elsevier	2013	9780729541473