

1<sup>st</sup> Cycle - A semester  
2021-2022

Module Code	Module Title	Prof	Lesson Code	Topics	Lecturer/Διδάσκων	Tutor/Εισηγητής	Date	Hours
CGT 101	Introduction to C>GMP	Prof. A Spyridonidis	CGT 101/T1	Welcome and syllabus	Alexandros Spyridonidis(L)	Alexandros Spyridonidis (L)	09 March 2022	17:00-19:00
			CGT 101/T2	Introduction to cell and gene therapies	Alexandros Spyridonidis(L)	Eyal Neria (T)		19:00-21:00
			CGT 101/T3	Basic principles of GMP Part 1	Gerhard Bauer(L)	Gerhard Bauer(L)		17:00-19:00
			CGT 101/T4	Basic principles of GMP Part 2	Gerhard Bauer(L)	Gerhard Bauer(L)	16 March 2022	19:00-21:00
			CGT 101/T5	Elements of a QA System	Dimitris Chaniotis (L)	Vincent Van Dam (T)		17:00-19:00
			CGT 101/T6	The International Council for Harmonisation of Technical Requirements for Pharmaceuticals for Human Use (ICH)	Dimitris Chaniotis (L)	Chaya Mazouz (T)	23 March 2022	19:00-21:00
			CGT 101/T7	Risk Analysis - ICH Q9 and FMEA	Anastasios Kriebardis (L)	Chaya Mazouz (T)		17:00-19:00
			CGT 101/T8	The Role of the QP	Anastasios Kriebardis (L)	Vincent Van Dam (T)	30 March 2022	19:00-21:00
			CGT 101/T9	POCare Manufacturing	Gerhard Bauer(L)	Vered Caplan (T)		17:00-19:00
			CGT 101/T10	The regulatory authorities (FDA, EMA) and the regulatory review pathways	Alexandros Spyridonidis(L)	Chaya Mazouz (T)	06 April 2022	19:00-21:00
			CGT 101/T11	<b>EXAMS</b>				13 April 2022
CGT 102	Biological aspects of C>/ Basic cell biology	Ass. Prof. A. Kriebardis	CGT 102/T1	Cells and tissue culture basics, cells life cycle	Anastasios Kriebardis (L)	Anastasios Kriebardis (L)	10 March 2022	17:00-19:00
			CGT 102/T2	Cells life cycle, cell death, aging and senescence, differentiation	Zoi Lygerou(L)	Zoi Lygerou(L)		19:00-21:00
			CGT 102/T3	Stem cells	Stavros Taraviras(L)	Stavros Taraviras(L)	17 March 2022	17:00-19:00
			CGT 102/T4	Case studies of cell types (MSCs, immune cells, stem cells)	Konstantina Nika(L)	Stephen Minger (T)		19:00-21:00
			CGT 102/T5	Response of immune system to cell therapies	Athanasia Mouzaki(L)	Robert Zeiser (T)	24 March 2022	17:00-19:00
			CGT 102/T6	Cell signaling with focus on T cell signaling	Konstantina Nika(L)	Konstantina Nika(L)		19:00-21:00
			CGT 102/T7	Viruses and viral vectors, non viral gene therapies	Athanasiajou Aglaia(L)	Reem Miari (T)	31 March 2022	19:00-21:00
			CGT 102/T8	Case studies of gene therapies (viral vectors, non-viral vectors)	Athanasia Mouzaki(L)	Ioanna Yannaki (T)		17:00-19:00
			CGT 102/T9	<b>EXAMS</b>			07 April 2022	17:00-21:00
			CGT 103	C>Regulation	Prof. A Spyridonidis	CGT 103/T1	The regulatory authorities (FDA, EMA) and the regulatory review pathways (IND to BLA; IMPD to MAA)	Alexandros Spyridonidis(L)
CGT 103/T2	ATMP (EU) legislation – an overview	Alexandros Spyridonidis(L)				Aggeliki Roboti (T)	19:00-21:00	
CGT 103/T3	CGT (FDA) guidance - an overview	Sagi Nahum (L)				Chaya Mazouz (T)	11 May 2022	17:00-19:00
CGT 103/T4	Cell & Gene Therapy Quality/ CMC considerations	Sagi Nahum (L)				Sagi Nahum (L)		19:00-21:00
CGT 103/T5	SEC / ISBT 128 and other labeling systems	Sagi Nahum (L)				Miri Sani(T)	18 May 2022	17:00-19:00
CGT 103/T6	Hospital Exemption Use	Sagi Nahum (L)				Heiko Von Der Leyen (T)		19:00-21:00
CGT 103/T7	Submitting a file for Cell Production authorization	Dimitris Chaniotis (L)				Vincent Van Dam (T)	25 May 2022	17:00-19:00
CGT 103/T8	Expedited programs and orphan drug issues	Dimitris Chaniotis (L)				Chaya Mazouz (T)		19:00-21:00
CGT 103/T9	Case study	Alexandros Spyridonidis(L)				Dimitris Mougiakakos(T)	01 June 2022	17:00-19:00
CGT 103/T10	<b>EXAMS</b>							17:00-21:00
CGT 104	Biostatistics and medical data analysis	Prof. E. Papageorgiou	CGT 104/T1	Population, sample and data collection	Efthimia Papageorgiou (L)	Georgios Katsouleas (L)	05 May 2022	17:00-19:00
			CGT 104/T2	Descriptive statistic methodology using SPSS	Efthimia Papageorgiou (L)	Georgios Katsouleas (L)		19:00-21:00
			CGT 104/T3	Survival outcomes (Kaplan–Meier, CI, competing risks)	Efthimia Papageorgiou (L)	Georgios Katsouleas (L)	12 May 2022	17:00-19:00
			CGT 104/T4	Univariate comparisons	Efthimia Papageorgiou (L)	Georgios Katsouleas (L)		19:00-21:00
			CGT 104/T5	Gray's statistic for cumulative incidence functions	Georgios Katsouleas (L)	Georgios Katsouleas (L)	19 May 2022	17:00-19:00
			CGT 104/T6	Cox regression Multivariate analysis	Georgios Katsouleas (L)	Georgios Katsouleas (L)		19:00-21:00
			CGT 103/T7	Data presentation of small and big data	Georgios Katsouleas (L)	Georgios Katsouleas (L)	26 May 2022	19:00-21:00
			CGT 104/T7	<b>EXAMS</b>				
<b>PRACTICAL MODULES</b>								
Module Code	Module Title	Prof	Lesson Code	Topics	Lecturer	Date	Hours	
CGT 102/P	Basic cell biology	Ass. Prof. A. Kriebardis	102/P1	Peripheral blood mononuclear cells isolation	Anastasios Kriebardis (L), Sotirios Fortis(L)	Anastasios Kriebardis (L), Sotirios Fortis(L)	02 April 2022	10.00-16.00
			102/P2	Sample preparation for flow cytometry				
			102/P3	Analysis of data				
			102/P4	Protein Isolation	Anastasios Kriebardis (L), Sotirios Fortis(L)	Anastasios Kriebardis (L), Sotirios Fortis(L)	14 May 2022	10.00-16.00
			102/P5	Nanoparticle tracking analysis				
			102/P6					
CGT 101/P	Cell Production	Prof. A Spyridonidis	101/P1	Principles of cell production	Alexandros Spyridonidis (L), Anna Papadopoulou (L)	Alexandros Spyridonidis (L), Anna Papadopoulou (L)	16 April 2022	10.00-18.00
			101/P2	the life cycle of a product				
			101/P3	Tracking/ Labelling				
CGT 103/P	Aseptic processing	Prof. A Spyridonidis	103/P1	Gowning and simulation				
			103/P2	Aseptic work and simulation				

1<sup>st</sup> Cycle - B semester  
2022-2023

Module Code	Module Title	Prof	Lesson Code	Topics	Lecturer/Διδάσκων	Tutor/Εισηγητής	Date	Hours	
CGT 201	From Development to GMP (Product life-cycle, Approval)	Prof. A Spyridonidis	CGT 201/T1	Life Cycle Management	Alexandros Spyridonidis(L)	Dana Fuchs (T)	05 October 2022	17:00-19:00	
			CGT 201/T2	Quality by Design (QbD)	Alexandros Spyridonidis(L)	Chaya Mazouz (T)		19:00-21:00	
			CGT 201/T3	GMP from Phase 1 to Phase 3	Sagi Nahum(L)	Chaya Mazouz (T)	06 October 2022	17:00-19:00	
			CGT 201/T4	Critical Quality Attributes (CQA), Critical Process Parameters (CPP)	Sagi Nahum(L)	Sagi Nahum (L)		19:00-21:00	
			CGT 201/T5	Technology Transfer	Alexandros Spyridonidis(L)	Dana Fuchs (T)	12 October 2022	17:00-18:20	
			CGT 201/T6	IND and CTAs	Anastasios Kriebardis (L)	Chaya Mazouz (T)		18:20-19:40	
			CGT 201/T7	Case study (TPP through TT)	Anastasios Kriebardis (L)	Dotan Uzi (T)	19:40-21:00		
			CGT 201/T9					13 October 2022	19:00-21:00
CGT 202	QC for CGT/Equipment Analytical Methods	Ass. Prof. A. Kriebardis	CGT 202/T1	Introduction to Analytical Development	Sagi Nahum(L)	Sagi Nahum(L)	19 October 2022	CANCELLED	
			CGT 202/T2	Equipment validation and qualification (DQ-PQ)	Alexandros Spyridonidis(L)	Alexandros Spyridonidis(L)		CANCELLED	
			CGT 202/T3	Contamination Control Strategies	Alexandros Spyridonidis(L)	Papadopoulou Anastasia(T)	20 October 2022	17:00-19:00	
			CGT 202/T4	Qualification and validation of analytical and bioanalytical methods	Sagi Nahum(L)	Sagi Nahum (L)		19:00-21:00	
			CGT 202/T5	The new EU Regulation on SoHO (Substances of Human Origin)	Alexandros Spyridonidis(L)	Alexandros Spyridonidis(L)	26 October 2022	17:00-19:00	
			CGT 202/T6	Stability studies - design, performance, reporting and conclusions	Sagi Nahum(L)	Sagi Nahum (L)		19:00-21:00	
			CGT 202/T8	Case study (Analytical method qualification)	Adriana Kotini(L)	Tamar Shatil (T)	17:00-19:00		
			CGT 202/T7	Supply Chain for CGTs	Alexandros Spyridonidis(L)	Miri Sani(T)	02 November 2022	17:00-19:00	
			CGT 202/T10	EXAMS 201-202				14 November 2022	17:00-21:00
CGT 203	Preclinical and Clinical aspects in CTG	Prof. A Spyridonidis	CGT 203/T1	Current status and future of Cell Therapies	Hatzimichail Eleftheria(L)	Themeli Maria (T)	09 November 2022	17:00-19:00	
			CGT 203/T2	Current status and future of Gene Therapies	Hatzimichail Eleftheria(L)	Nikoleta Psatha(T)		20:00-22:00	
			CGT 203/T3	Pre-clinical studies design	Alexandros Spyridonidis(L)	Ariel Angel (T)	10 November 2022	17:00-19:00	
			CGT 203/T4	Clinical studies design: How to write a clinical protocol for CGT	Alexandros Spyridonidis(L)	Bettina Rohde (T)		19:00-21:00	
			CGT 203/T5	How to get a GMP legislation	Alexandros Spyridonidis(L)	Alexandros Spyridonidis(L)	16 November 2022	17:00-19:00	
			CGT 203/T6	How to get a CGT cell program started	Alexandros Spyridonidis(L)	Alexandros Spyridonidis(L)		19:00-21:00	
			CGT 203/T7	Introduction to clinical trials	Hatzimichail Eleftheria(L)	Hatzimichail Eleftheria(L)	23 November 2022	17:00-19:00	
			CGT 203/T8	Apheresis / Cell procurement	Panagiotis Tsirigotis (L)	Martin Hildebrandt (T)		CANCELLED	
			CGT 203/T9	Good clinical practice in CGT treatment	Panagiotis Tsirigotis (L)	Anke Lührmann (T)	17:00-19:00		
			CGT 203/T10	How to monitor CGT treatments	Panagiotis Tsirigotis (L)	Sandra Albrecht (T)	24 November 2022	19:00-21:00	
			CGT 203/T11	Day off for exams preparation				30 November 2022	17:00-19:00
			CGT 203/T12	EXAMS 203				01 December 2022	17:00-21:00
CGT 204	Scientific / Lab management	Ass. Prof. Zoumpoulakis	CGT 204/T1	CGT RnD in RI/Academia versus Industry	Panagiotis Zoumpoulakis (L)	Vivian Tseveleki (T)	07 December 2022	17:00-19:00	
			CGT 204/T2	Translational research Management Process	Chronis Fatouros (L)	Chronis Fatouros (L)		19:00-21:00	
			CGT 204/T3	Translational research Management Process Case studies	Chronis Fatouros (L)	Chronis Fatouros (L)	08 December 2022	17:00-19:00	
			CGT 204/T4	Developing research organizations	Sagi Nahum(L)	Eyal Neria (T)		19:00-21:00	
			CGT 204/T5	Financial Accounting 1	Sofia Asonitou (L)	Sofia Asonitou (L)	14 December 2022	17:00-19:00	
			CGT 204/T6	Financial Accounting 2	Sofia Asonitou (L)	Sofia Asonitou (L)		19:00-21:00	
			CGT 204/T7	Management Accounting	Sofia Asonitou (L)	Sofia Asonitou (L)	15 December 2022	17:00-19:00	
			CGT 204/T8	Challenges of getting CGTs into the Market	Evi Chatziandreou (L)	Evi Chatziandreou (L)		19:00-21:00	
			CGT 204/T9	Therapy pipeline management	Evi Chatziandreou (L)	Evi Chatziandreou (L)	21 December 2022	17:00-19:00	
			CGT 204/T10	Secure Funding from Competitive RnD Programmes	Panagiotis Zoumpoulakis (L)	Panagiotis Zoumpoulakis (L) /Kyprioti Eugenia (T)	12 January 2023	19:00-21:00	
			CGT 204/T11	EXAMS 204				31 January 2023	17:00-21:00
<b>PRACTICAL MODULES</b>									
Module Code	Module Title	Prof	Lesson Code	Topics	Διδάσκων	Εισηγητής	Date	Hours	
CGT 201/P	Environmental Monitoring	Prof. A Spyridonidis	201/P1 201/P2	operating and sampling environmental monitoring system	Alexandros Spyridonidis, Vasiliki Zacharioudaki, Dionysia Kefala	Alexandros Spyridonidis, Vasiliki Zacharioudaki, Dionysia Kefala	14 January 2023	10.00-18.00	
CGT 202/P	Equipment	Prof. A Spyridonidis	202/P1	operating and testing common used cleanrooms equipment +					
			202/P2 202/P3	THEORETICAL visual inspection					