

# HEMATOLOGY 2012

*Department of Medical Laboratory Science and Biotechnology*

*College of Medicine, National Cheng Kung University*

(9/14/2012 updated)

Date	Lecture	Laboratory	Teacher	TA
9/24 (W1)	Introduction to hematology		徐麗君	
9/26 (W3)	Blood collection and anticoagulants		徐麗君	
9/28 (W5)	Hematopoiesis		徐麗君	
10/1 (W1)	Erythrocytes		黃溫雅	
10/3 (W3)	Hemoglobin		黃溫雅	
	Quiz 1	1. Check in 2. Blood collection (Video)	徐麗君	<u>庚酉</u> 、紹含、玉琳
10/5 (W5)	Quantitative and morphologic evaluation of erythrocytes		黃溫雅	
10/8 (W1)	Defect of erythropoiesis		黃溫雅	
10/12 (W5)	Quiz 2	1. Skin puncture 2. Hct (Micro-method) 3. Hb (Cyanmethemoglobin method)	徐麗君	<u>慧卿</u> 、紹含、怡雯、家儀
10/15 (W1)	Hemolytic anemia		黃溫雅	
10/17 (W3)	Special tests for anemia diagnosis		黃溫雅	
10/19 (W5)		1. Skin puncture 2. Hb (Shali method) 3. WBC & RBC count 4. RBC indexes	徐麗君	<u>慧卿</u> 、紹含、家儀、郁涵
10/22 (W1)	<i>Presentation &amp; discussion (I)</i>		黃溫雅/徐麗君	
10/24 (W3)		1. Venipuncture 2. ESR 3. Automatic cell count 4. Reticulocyte count	徐麗君 李奉素	<u>家儀</u> 、紹含、乃維、慧軒
10/26 (W5)		1. Hb electrophoresis 2. HbF determination	黃溫雅	<u>庚酉</u> 、妍玉、玉琳、純怡
10/29 (W1)	Leukocytes		楊孔嘉	
10/31 (W3)		1. Osmotic fragility test 2. Observation of RBC morphology	黃溫雅	<u>庚酉</u> 、妍玉、玉琳、雅暄
11/2 (W5)	<b>First exam</b>		徐麗君	郁涵
11/5 (W1)	Benign leukocyte disorders		楊孔嘉	
11/7 (W3)	Laboratory evaluation of leukocytes: morphology		楊孔嘉	

11/9 (W5)	Laboratory evaluation of leukocytes: cytochemical stain	楊孔嘉	
11/12 (W1)	Laboratory evaluation of leukocytes: immunophenotyping	楊孔嘉	
11/14 (W3)	Quiz 3	1. Blood smear preparation & staining 2. Differential count 3. Morphology observation (Demo)	楊孔嘉 紹含、純怡、庚酉、玉琳
11/16 (W5)		1. Eosinophil count 2. LAP score 3. Morphology observation	楊孔嘉 慧軒、慧卿、純怡、雅暄
11/19 (W1)	Hematological malignancy (I)		陳彩雲
11/21 (W3)		1. NSE stain 2. NASD-CAE stain 3. Morphology observation (Demo)	楊孔嘉 慧軒、庚酉、純怡、妍玉
11/23 (W5)		1. Peroxidase stain 2. PAS stain 3. Morphology observation 4. Flow cytometry	楊孔嘉 家儀、雅暄、怡雯、純怡 佩汝
11/26 (W1)	Hematological malignancy (II)		陳彩雲
11/28 (W3)	Molecular diagnostics in hematology <i>Presentation &amp; discussion (II)</i>		陳怡伶 楊孔嘉
11/30 (W5)	Lymphoma		李忠達
<b>12/3 (W1)</b>	<b>Second exam</b>		楊孔嘉 郁涵
12/5 (W3)	Thrombocytes and vasculature		徐麗君
12/7 (W5)	Blood coagulation		傅子芳
12/10 (W1)	Fibrinolysis and anticoagulation		傅子芳
12/12 (W3)	Hemostasis testing (I)		徐麗君
12/14 (W5)	Quiz 4	1. Platelet count 2. Platelet aggregation test	徐麗君 慧軒、慧卿、乃維、郁涵
12/17 (W1)	Hemostasis testing (II)		傅子芳
12/19 (W3)		1. Bleeding time 2. Tourniquet test 3. Coagulation time	徐麗君 乃維、慧軒、庚酉、雅暄
12/21 (W5)		1. Prothrombin time 2. APTT 3. Thrombin time 4. POCT	徐麗君 慧卿、妍玉、慧軒、怡雯 佩汝

12/24 (W1)	Bleeding disorder due to vascular and platelet abnormalities	陳彩雲
12/26 (W3)	1. PT dilution curve 2. Heparin neutralization assay	傅子芳 家儀、怡雯、乃維
12/28 (W5)	1. Clot retraction time 2. Euglobulin clot lysis time	傅子芳 乃維、妍玉、慧卿
12/31 (W1)	Disorders of coagulation and fibrinolysis	陳彩雲
1/2 (W3)	1. Plasma recalcification test 2. Clot solubility test	傅子芳 乃維、怡雯、玉琳
1/4 (W5)	<i>Presentation &amp; discussion (III)</i>	傅子芳
1/7 (W1)	Laboratory review	楊孔嘉 純怡、雅暄、玉琳
1/9 (W3)	Check out	徐麗君 紹含、家儀
1/11 (W5)	<b>Laboratory exam</b>	黃溫雅/楊孔嘉/傅子芳/徐麗君
1/14 (W1)	<b>Final exam</b>	徐麗君 郁涵

Course Coordinator:

徐麗君 TEL: 5765

Time:

Monday Lecture: **10:10-12:00 AM**  
Wednesday & Friday Lecture: **1:10-3:00 PM**  
Laboratory: **1:10-6:00 PM**

Grading policy:

Lecture	Quiz & presentation	20%
	First exam	30%
	Second exam	30%
	Final exam	30%
Laboratory	Pretest	10%
	Performance	20%
	Report	30%
	Exam	40%

Textbooks:

Clinical Hematology: Theory and Procedures, 5<sup>th</sup> Edition; by Mary L. Turgeon  
Clinical Hematology Atlas, 3<sup>rd</sup> Edition; by J. H. Carr and B. F. Rodak