

SCBE 316 Biological Microtechniques

3 (2-3-5)

January-May 2026

Lecture **Tuesday: 10:30-12:20 (TBA)**

Laboratory **Tuesday: 13:30-16:20 (Lab N503,504)**

Date	Lecture Topic	Lecturers
Jan 6	Introduction, Fixation	Aj. Wachareeporn
13	Dehydration, Clearing	Aj. Wachareeporn
20	Infiltration	Aj. Wachareeporn
27	Embedment	Aj. Wachareeporn
Feb 3	Microtome & Sectioning	Aj. Wachareeporn
10	Staining, Mounting, Clearing	Aj. Wachareeporn
17	Histochemistry I	Aj. Wachareeporn
24	Whole mount	Aj. Wachareeporn
March 2-6 (TBA)	Midterm Exam	Aj. Wachareeporn
10	Immunohistochemistry I	Aj. Supeechea
17	Immunohistochemistry II	Aj. Supeechea
24	Microscopel	Aj. Puey
31	Microscopell	Aj. Puey
April 21	Q&A	Aj. Wachareeporn
28	Final Exam	Aj. Wachareeporn

SCBE 316 Microtechniques Lab

Laboratory Tuesday: 13:30-16:30 (Lab N503,504)

Date		Laboratory Topics	Instructors
Jan	6	Orientation	Wachareeporn, Ananya Assanee
	13	Mornoi stem & Onion root : Fixation	Wachareeporn, Ananya Assanee
	20	Dehydration	Wachareeporn, Ananya Assanee
	27	Infiltration	Wachareeporn, Ananya Assanee
Feb	3	Embedment	Wachareeporn, Ananya Assanee
	10	Stem sectioning I	Wachareeporn, Ananya Assanee
	17	Stem sectioning II	Wachareeporn, Ananya Assanee
	24	Stem staining	Wachareeporn, Ananya Assanee
March	10	Stem mounting and Clearing	Wachareeporn, Ananya Assanee
	17	Root sectioning I	Wachareeporn, Ananya Assanee
	24	Root sectioning II	Wachareeporn, Ananya Assanee
	31	Root staining	Wachareeporn, Ananya Assanee
April	21	Root mounting and Clearing	Wachareeporn, Ananya Assanee