

SES Microbial Methods

Syllabus 2023

Module	Date	Topic	Instructor
1		<p>HYFJ 'GYL: Introduction @WEIFYcbi</p> <p>Hi H 'GYL@U '7chgf VIK]bc[fUg nWi a b :]X19dLc '@hV'GdMkLggMhAUg'</p> <p>KYUfg' cYghUUb[]hKMHXa i XWh</p>	JU]bc
2		<p>2 Bacterial abundance</p> <p>HYFJ&GYL@U DFDLYXi]cbUbXW]zfa 'dUhg' :] gLa dYgZFXWMS5D-Vi blg</p> <p>Hi H'G 'GYL@U '85D: gUbj] UbXWi blg 9lUa]bYdUhg</p> <p>ProblemSet 1 due: Introduction</p>	JU]bc
3		<p>3 Bacterial production</p> <p>HYF% 'GYL@WEIFYcbVUMfU' d'cX V]cb'a Yhc @U '7ci bhXi]cb'dUhg</p> <p>Hi H%GYL@U 'AYUg fYVUMfU' d'cX V]cbi gbl '7%' ProblemSet 2 due: Bacterial abundance</p> <p>HYF% 'GYL %7'5V]]hFYg]g GV]fU]cbWi bhFXa chg]U]ch 9l dUb'VVU]chg'</p>	JU]bc
		<p>bacteria</p> <p>Hi H] CVL@WEIF</p> <p>ProblemSet 3 due: Bacterial Production</p> <p>HYF%CVL @UcbVUMfU']fU]] k#Zi cYgVhWUg'</p>	JU]bc
6		<p>6 Chemolithotrophy</p> <p>@WEIFYcbK]bc[fUg nWi a b 7ci a b'CVg]fU]chg</p> <p>ProblemSet 4 due: Extracellular Enzyme Assays</p> <p>HYF% CVLAYUg fY<nfc] Yb'G ZY d'cZg]bWi a bg Hi H' % CVLAYUg fYa YhUy] fU]h]bWi a bg</p> <p>ProblemSet 5 due: Microbial food webs</p>	JU]bc
7		<p>7 Microbial food webs: bacteria phytoplankton competition</p> <p>HYF% CVL@WEIFYh cff A]EWga 'ghfidUbXgladY</p> <p>KYXf] CVLGLadYa]EWga Hi H' % CVLGLadYa]EWga '</p> <p>ProblemSet 6 due: Chemolithotrophy</p> <p>: f]f% CVLGLadYa]EWga]bbUmYgladYg GHf% CVLGLadYa]EWga G]bf% CVLGLadYa]EWga]UbUmYgladYg Acbf] %CVL5bUmYa]EWga 'gladYg</p>	JU]bc

HYfl%CVI DFYghUbxXgMgg'a MFWga fYg lgUbXWUWUjcbg

8

8 Molecular Techniques

FiZ

Hi f&BcjL@UV'8B5'9lHUMjcb

HYfl BcjL@UV'9YMc'd cfYg/UxD7F

Hi fl BcjL@WifYcb'Ac YWUfa YhcXg

SlgMgg/fYg lq

**ProblemSet 7 due: Microbial food webs: bacteria
phytoplankton competition**

Thu(16Nov) ProblemSet 8 due: Molecular Techniques

Grading

DfcVYa 'Glg

-)1 'cZl fUX

DUHjUjcb

)1 'cZl fUX

: jU

ZdcVYa 'glgUfYXcbY'jXcbXbha'h YbhMYk]'bchYU

ZbU'YUa"

All problemsets are due at the beginning of Thursday's class, as indicated by the syllabus