

SES Microbial Methods

Syllabus 2023

Module	Date	Topic	Instructor
1		<p>HYFJ 'GYL: Introduction @WEIFYcbi</p> <p>Hi H 'GYL@U '7chgf VIK Jc[fUg nWi a b : JXIQdlc '@h'GdMk lggMiAUg'</p> <p>KYUfg' cYghUUb[YkYHbXa i XWth</p>	JU]bc
2		<p>2 Bacterial abundance</p> <p>HYFJ&GYL@U DFDLYXi lcb UbXW]zfa 'dUhg' : J'gLa dYgZFXWMS5D-Vi blg</p> <p>Hi H'G 'GYL@U '85D: gUbj UbXWi blg 9lUa jYdUhg</p> <p>ProblemSet 1 due: Introduction</p>	JU]bc
3		<p>3 Bacterial production</p> <p>HYF% 'GYL@WEIFYcbVUMfU'dcX V]cb'a Yhc @U '7ci bhXi lcb'dUhg</p> <p>Hi H%'GYL@U 'AYUg fYVUMfU'dcX V]cbi gbl '7%' ProblemSet 2 due: Bacterial abundance</p> <p>HYF% 'GYL %7'5V] JmFYg l'g GM]fU]cbWi bYFXa chg]U]ch 9l dUb'WWU]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]b[k#Zi cYgWbHWUg'</p>	JU]bc
6		<p>6 Chemolithotrophy</p> <p>@WEIFYcbK]bc[fUg nWi a b 7ci a b'CVg]fU]cbg</p> <p>ProblemSet 4 due: Extracellular Enzyme Assays</p> <p>HYF% 'CVLAYUg fY<nfc[Yb'G ZYdcZy]bWi a bg Hi H'f% 'CVLAYUg fYa YhUy[fU]b]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@WEIFYg' cfi A]EWga 'ghfidUbXgladY</p> <p>KYXf% 'CVLGLadYa]EWga Hi H'f% 'CVLGLadYa]EWga '</p> <p>ProblemSet 6 due: Chemolithotrophy</p> <p>: f]f% 'CVLGLadYa]EWga f]bUmYgladYg' GHf% 'CVLGLadYa]EWga Gibf% 'CVLGLadYa]EWga ZUbUmYgladYg' Acbf]%'CVL5bUmYa]EWga 'gladYg'</p>	JU]bc

HYH%CVI DFYHhUbXgMgg'a MEWga fYg lgUbXWUWUjcbg

8

8 Molecular Techniques

FiZ

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

HYH BcjL@UV'9YMc'dcfYg/UbXD7F

Hi H BcjL@WifYcb'AcYWUfa YhcXg

SlgMgg/fYg lq

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

Thu(16Nov) ProblemSet 8 due: Molecular Techniques

Grading

DfcVYa 'Glg

-)1 'cZ fUX

DUHjUjcb

)1 'cZ fUX

: jU

ZdcVYa 'glgUfYXcbY'pXcbXhnh YbhMYk]'bchYU

ZbU'YUa"

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