

&KHP &51
,QIRUPDWLRQ 6WRHJD JH0BQ6FXLDHQWDQG 3DWKZ
)DOO

,QVWUXFWR0KRPDV .XKQ 0XULH ' WENXKQ#DODVN

2IILFH +RXUVRQGD\ DQG)ULGD\HRO-ORZLYHJUOVHFXLDHQVWDRUH
FRQWDFW WKHSLKRWUHBWHPUDLO DW DQ\ WLPH

/HFWXUH 0RQGD\ :HGQH\VG D\)ULGD 5(,&
WR LQFQRW LQJ ILQDO

7H[WERRN Principals of Biochemistry ^{WK}(GLWLRQ
'DYL G / 1HOVRQ DQG 0LFKDHO 0 &R[
: +)UHHPDQ DQG &RPSDQ\ 1<
,6%1 ;

QQ QINLQQ' PDKHUTP DQGF XDRWHLQV LQFOXGLQJ
P '1\$ VWULXFOV XHSDLOG 5WHSRPERQDWLSRQHSDIOPDW
/UDQVFUL\$MLRQ7DQG VSURVHROV LQDQG*SDRWHLQHV
FRQVMIOPHSRLODUEW HDFKGLHFXVHWGZ ZKHQ DSSURSULDWH

GQHQWVGRHQGDVFXVWHQV ZLROK DMLVRQDOH
DSWDV XONHDEPDLW W LGLVFXVVLQR
DQGRPOVHVNHC DQRG H[SODLQ VHFWRQRV DQG RU
KHVLH GSDRXPDRQWRDWHUDR VODWH VFLHQFH NQRZOHGJH
H WKH DSSOLFDWLRQ RI VFLHQFH

RGEQQ SURVHWVH XFXQGHUOXLQFWLRQ UHJXODWLRQ
\$ DQG 3URWHLQV
VHGE XWR DVVHQBWLRLQ VXRQFSLRQHLQ '1\$
DWLLRQ DRQ GOMFSKH[UPSURRHPRVHV DQG SURWHLQ
VHGRSQFWHQRSRQVW DQVRSIUGRHHVVHV DQG RU

HUPDQDWLQWSDSGDWHVSHBHRHHQLW WKH
URXQV SDSHLDGLVFXVVLQR

/H DUQLQJ 2XWFRPHV

8QGHUVWDQG VW ODFWLRIQHVIKLSF V H RQH UPHO Q UQU QPWHFWRPRLR C
\$VSHFWV RI V\QHULV B Q GRURSHLSBAREY EU RUPROHYFXO D UWG\QD
*HQH UHJXODWL RQ J P Q WURPSRODHF D P R M SKHG R W S H V V L R Q
%LRPHGLFDO GLVHDVH UHODWHG DVSHFWV RI WRS LFV
&ULWLFDO UHDBV Q D URAKS O L P D W D W X U H
8QGHUVWDQGLQJ RI SULQFLSDO PHWKRGV DQG WHFKQLTXH

,QVWUXFWLRQDO 0HWKRGV

7KH WHDFKLQJ PHWKRGV HPSOR\H ZHUS R L Q L W O R I X W X W H Z V O O G

&RXUVH 3ROLFLHV

Attendance: 5HJXODU VWXGH QSW EDWHGH ~~WRORQVFXVNDH~~ WJLYR W LHV DQ
GLVFXVVLQRQV

Exams)RXU H[DPV ZLOO EHI ~~DEVHQUH\$OZVKRXV~~ KADKWL \$HRZUHV
RI WKH FRXUVH ~~IFKDEB~~ ~~XPWODWLM~~ ~~IN~~ ~~QD~~ ~~EX~~ ~~RS~~ ~~ZG~~ ~~DEORHQ~~ \ EH
DOORZHG ZLWK SUHV ~~WJSXUFMYDU~~ RUOZLWGR ~~ED~~ ~~QPI~~ ~~QVHIS~~ ~~GV~~ ~~D~~
VXFK DV XQH[SHFWHG LOOQHVV IDELOH ~~HPHQ~~ ~~WHVQ~~ ~~FLH~~

Papers: 6WXGHQWV ZLOO SUHFS ~~DLYDWDL~~ ~~GR~~ ~~QV~~ ~~DB~~ ~~SHL~~ ~~V~~ ~~S~~ ~~M~~ ~~WNR~~ ~~Q~~ ~~DQ~~
XQGHUVWDQGLQJ ~~ED~~ ~~WH~~ ~~R~~ ~~Q~~ ~~D~~ ~~Q~~ ~~V~~ ~~K~~ ~~S~~ ~~H~~ ~~W~~ ~~D~~ ~~Q~~ ~~D~~ ~~G~~ ~~D~~ ~~G~~ ~~H~~ ~~D~~ ~~I~~
UHVXOWV DQG ~~F~~ ~~W~~ ~~W~~ ~~G~~ ~~F~~ ~~Q~~ ~~V~~ ~~D~~ ~~Q~~ ~~D~~ ~~O~~ ~~Z~~ ~~M~~ ~~O~~ ~~S~~ ~~E~~ ~~R~~ ~~U~~ ~~D~~ ~~Q~~ ~~S~~ ~~P~~ ~~Q~~ ~~W~~
XSRQ WR DQVZHU TXHVWLRQV

Participation: &ODVV SDUWLF LSO ~~Q~~ ~~W~~ ~~I~~ ~~R~~ ~~Q~~ ~~V~~ ~~D~~ ~~V~~ ~~O~~ ~~H~~ ~~S~~ ~~H~~ ~~E~~ ~~M~~ ~~B~~ ~~E~~ ~~L~~ ~~D~~ ~~R~~ ~~H~~ ~~R~~ ~~S~~ ~~W~~ ~~S~~ ~~H~~ ~~H~~ ~~V~~
GLVFXVVLQRQV SUHVL ~~Q~~ ~~V~~ ~~D~~ ~~Q~~ ~~D~~ ~~O~~ ~~S~~ ~~E~~ ~~R~~ ~~U~~ ~~D~~ ~~Q~~ ~~S~~ ~~P~~ ~~Q~~ ~~W~~ ~~D~~ ~~G~~ ~~D~~ ~~G~~ ~~H~~ ~~D~~ ~~I~~ ~~S~~ ~~O~~ ~~V~~ ~~E~~ ~~R~~ ~~U~~ ~~D~~ ~~Q~~ ~~S~~ ~~P~~ ~~Q~~ ~~W~~
GXULQJ OHFWXUHLV ~~DD~~ ~~W~~ ~~N~~ ~~R~~ ~~Q~~ ~~V~~ ~~I~~ ~~R~~ ~~U~~ ~~D~~ ~~I~~ ~~S~~ ~~O~~ ~~V~~ ~~E~~ ~~R~~ ~~U~~ ~~D~~ ~~Q~~ ~~S~~ ~~P~~ ~~Q~~ ~~W~~ ~~D~~ ~~G~~ ~~D~~ ~~G~~ ~~H~~ ~~D~~ ~~I~~ ~~S~~ ~~O~~ ~~V~~ ~~E~~ ~~R~~ ~~U~~ ~~D~~ ~~Q~~ ~~S~~ ~~P~~ ~~Q~~ ~~W~~

(WKLFDQ &RQV ~~L~~ ~~K~~ ~~H~~ ~~H~~ ~~U~~ ~~D~~ ~~M~~ ~~P~~ ~~L~~ ~~R~~ ~~Q~~ ~~W~~ ~~U~~ \ 3'H ~~S~~ ~~R~~ ~~Q~~ ~~V~~ ~~R~~ ~~H~~ ~~D~~ ~~W~~ ~~L~~ ~~Q~~ ~~R~~ ~~O~~ ~~A~~ ~~N~~ ~~E~~ ~~D~~ ~~V~~ ~~I~~ ~~R~~ ~~O~~ ~~O~~ ~~R~~
student caught cheating will be assigned a course grade of F. The student's academic advisor will be notified of this failing grade and the student will not be allowed to drop the course

3ODJLDULVP 3ROLF\

3ODJLDULVP LV GRIL ~~Q~~ ~~R~~ ~~H~~ ~~V~~ ~~K~~ ~~O~~ ~~N~~ ~~F~~ ~~W~~ ~~R~~ ~~E~~ ~~M~~ ~~X~~ ~~S~~ ~~H~~ ~~W~~ ~~S~~ ~~R~~ ~~X~~ ~~W~~ SURSHU UHIHUH
DXW ~~Intellectual~~ property includes all electronic (internet), spoken or print media 6WXGHQWV D
H[SHFWHG WR FHV ~~HL~~ ~~Q~~ ~~Q~~ ~~R~~ ~~O~~ ~~J~~ ~~D~~ ~~G~~ ~~X~~ ~~C~~ ~~F~~ ~~L~~ ~~Z~~ ~~Q~~ ~~W~~ ~~V~~ ~~H~~ ~~D~~ ~~Q~~ ~~S~~ ~~V~~ ~~H~~ ~~R~~ ~~V~~ ~~H~~ ~~S~~ ~~O~~ ~~V~~ ~~D~~ ~~D~~ ~~W~~ ~~D~~ ~~U~~ ~~L~~ ~~V~~ ~~H~~
VHULRXVO\ ZLWK ~~SD~~ ~~J~~ ~~W~~ ~~D~~ ~~L~~ ~~F~~ ~~X~~ ~~O~~ ~~D~~ ~~B~~ ~~U~~ ~~D~~ ~~W~~ ~~K~~ ~~H~~ ~~V~~ ~~G~~ ~~H~~ ~~R~~ ~~Q~~ ~~D~~ ~~V~~ ~~E~~ ~~H~~ ~~H~~ ~~U~~ ~~H~~ ~~U~~ ~~H~~ ~~G~~ ~~W~~ ~~F~~
&KDLU RU 'H ~~D~~ ~~D~~ ~~Q~~ ~~O~~ ~~R~~ ~~L~~ ~~Q~~ ~~F~~ ~~O~~ ~~F~~ ~~R~~ ~~Q~~ ~~W~~ ~~L~~ ~~G~~ ~~H~~ ~~U~~ ~~H~~ ~~G~~

6XSSRUW 6HUYLEFHV

6XSSRUW VHUYLEF ~~G~~ ~~V~~ ~~E~~ ~~Z~~ ~~M~~ ~~K~~ ~~H~~ ~~B~~ ~~Q~~ ~~I~~ ~~S~~ ~~Y~~ ~~H~~ ~~R~~ ~~U~~ ~~L~~ ~~E~~ ~~G~~ ~~N~~ ~~D~~ ~~U~~ ~~R~~ ~~I~~ ~~V~~ ~~S~~ ~~O~~ ~~V~~ ~~M~~ ~~R~~ ~~D~~ ~~R~~ ~~Q~~ ~~O~~ ~~L~~ ~~Q~~ ~~H~~ ~~U~~ ~~I~~
LQVWUXFWRU \$ ~~G~~ ~~G~~ ~~H~~ ~~W~~ ~~D~~ ~~R~~ ~~O~~ ~~D~~ ~~O~~ ~~D~~ ~~E~~ ~~B~~ ~~H~~ ~~X~~ ~~S~~ ~~S~~ ~~R~~ ~~U~~ ~~X~~ ~~U~~ ~~H~~ ~~U~~ ~~Y~~ ~~L~~ ~~F~~ ~~H~~ ~~V~~ ~~U~~
[KWWS](#) [ZZZ](#) [XDD](#) ~~W~~ ~~G~~ ~~S~~ ~~)~~ ~~V~~ ~~V~~ ~~V~~ ~~S~~

'LVDELOLWLHV 6HUYLEFHV

6WXGHQWV ZLWK ~~Q~~ ~~D~~ ~~S~~ ~~J~~ ~~G~~ ~~L~~ ~~F~~ ~~D~~ ~~E~~ ~~L~~ ~~G~~ ~~U~~ ~~W~~ ~~O~~ ~~G~~ ~~H~~ ~~D~~ ~~O~~ ~~W~~ ~~L~~ ~~I~~ ~~H~~ ~~T~~ ~~X~~ ~~K~~ ~~H~~ ~~P~~ ~~H~~ ~~G~~ ~~H~~ ~~O~~ ~~R~~ ~~H~~ ~~V~~ ~~W~~ ~~R~~
WKH 2IILFH RI 'L ~~W~~ ~~D~~ ~~F~~ ~~E~~ ~~L~~ ~~V~~ ~~L~~ ~~W~~ ~~L~~ ~~H~~ ~~K~~ ~~L~~ ~~W~~ ~~H~~ ~~X~~ ~~D~~ ~~H~~ ~~I~~ ~~U~~ ~~G~~ ~~L~~ ~~V~~ ~~D~~ ~~E~~ ~~L~~ ~~O~~ ~~L~~ ~~W~~ ~~\~~ ~~V~~ ~~H~~ ~~U~~ ~~Y~~ ~~L~~ ~~F~~ ~~H~~ ~~V~~ ~~#~~ ~~I~~
[KWWS](#) [ZZZ](#) [XDI](#) ~~H~~ ~~O~~ ~~R~~ ~~F~~ ~~D~~ ~~W~~ ~~H~~ ~~D~~ ~~E~~ ~~L~~ ~~O~~ ~~L~~ ~~W~~ ~~K~~ ~~O~~ ~~W~~ ~~H~~ ~~Q~~ ~~Q~~ ~~G~~ ~~&~~ ~~R~~ ~~R~~ ~~Q~~ ~~M~~ ~~F~~ ~~O~~ ~~L~~ ~~Q~~ ~~H~~ ~~L~~ ~~Q~~ ~~R~~
VSHFLDO DFFRPPRGDW ~~IP~~ ~~Q~~ ~~W~~ ~~S~~ ~~U~~ ~~R~~ ~~H~~ ~~V~~ ~~G~~ ~~R~~ ~~X~~ ~~G~~ ~~R~~ ~~K~~ ~~F~~ ~~X~~ ~~V~~ ~~H~~ ~~L~~ ~~O~~ ~~D~~ ~~E~~ ~~V~~ ~~O~~ ~~L~~ ~~O~~ ~~W~~ ~~\~~
6HUYLEFHV ZLOO WK ~~F~~ ~~I~~ ~~Q~~ ~~D~~ ~~Q~~ ~~R~~ ~~D~~ ~~U~~ ~~L~~ ~~D~~ ~~E~~ ~~H~~ ~~R~~ ~~H~~ ~~Q~~ ~~S~~ ~~W~~ ~~I~~ ~~Z~~ ~~E~~ ~~R~~ ~~U~~ ~~N~~ ~~D~~ ~~Q~~ ~~K~~ ~~R~~ ~~P~~ ~~H~~ ~~Z~~ ~~R~~ ~~U~~
DQG GRLQJ ODE ZRUN

6SHFLDO 'DWHV SHUWLQH QW WR WKH FRXUVH

6HH DFDGHPLF FDO [KWWS](#) [IR](#) [D](#) [W](#) [G](#) [H](#) [R](#) [D](#) [L](#) [O](#) [M](#) [D](#) [W](#) [X](#) [F](#) [D](#) [O](#) [H](#) [Q](#) [G](#) [D](#) [U](#)