

6DLQW /RXLV 8QLYHUVLWlpV PDVWHUpV SURJUDP LQ FRPSXWHU VFLHQFH LV GHVLJQHG WR SUH  
VWXGHQWV IRU UHZDUGLQJ DQG LQ GHPDQG FDUHHUV WKDW OHYHUDJH WKH SRZHU RI FRPSXW  
DOJRULWKPV DQG GDWD DQDO\HV WR LPSDFW WKH ZRUOG LQ D SRVLWLYH PDQQHU

7KH JUDGXDWH SURJUDP LQ FRPSXWHU VFLHQFH VVXGHQWV ZLWK  
QHFHVVDU\ WR SXUVXH DGYDQFHG DFDGHPLF RU WHFRRODWRU\ PRUNLOO\ VFRUH LQWHUQD  
ZRUOG

6WXGHQWV OHDUQ HQKDQFHG DQDO\WLFDO VNLOOV WKURXJK DQ LQ GHSWK XGGHUVWDQGLQJ P  
DQG SUDFWLFDO FRQFHSWV ZULWWHQ DQG RUDO FRPPXQLFDWLRQ VNLOOV DQG WKH FULWLFDO  
WKLQNQJ VNLOOV UHTXLUH WR DGYDQFH LQ WKH dHOG -š-p-ËÄ ,Úš Ä,-š xšÚ ¥é--š½-ÄšP ,  
-šx,ÚáÄšÄš P•aËË½ ËÚ •Ë½½š¥š\*

6/8pV UHVHDFK EDVHG FXUULFXODWRU\ DQG H[WUHQHW\ IXQGHHG! VXSS#UW IRV"WHU" !  
IDFXOW\ OHDUQLQJ HQYLURQPHQW DQG H[WUHQHW\ UHVHDFK! LQROYHPPHQW #

7KH 6W /RXLV UHJLRQ KDV D VWURQJ FRPSXWHU VFLHQFH IRU VVXGHQWV LQFOXGLQJ WHFKQLFDQ  
RSHUDWLRQV IRU PDQ\ )RUWXQH FRPSDQLHV DV ZHOO DV D YLEUDQW VWDUW XS FRPPXQLW  
LQFOXGLQJ LQFXEDWRUV VXFK DV &257(; DQG 7)RU QRUWVORRU\DWERDŠVVLW WKH 2IILFH RI  
ZZZ VOX HGX ILQDQFLDO DLG

&DUHHUV LQ FRPSXWHU VFLHQFH DUH UHJODUO\ IRXQG RQ DEHVW MREVI\OLVWV 7KH FDOEH  
UHZDUGLQJ DQG SURYLGH JUHDW FRPSHQVDWLRQ DQG H[WUHQHW\ ZRUN HQYLURQPHQW V-0

3RVLWLRQV LQ WKLV dHOG LQFOXGH VRIWZDUH GHYHORSU FRPSXWHU VVXGHQWV DQDO\W FR  
QHWZRUN DUFKLWHFW ZHE GHYHORSU GDWDEDVH DGPLQLVWUDWRU DQG LQIRUPDWLRQ VHF

# \$ "  
#!! " \$ "  
/ \$SSOLFRPVLORHWLRQ DQG IHH  
/ 7UDQVFULSW V  
/ \*5( JHQHUDO WHVW VFRUH V UHFRPPHQGHG  
/ 2QH UHFRPPHQGDWLRQ XVLQJ DQ RQOLQH HYDOXDWLRQ IRUP PRUH  
/ UHFRPPHQGDWLRQV DUH RSWLRQDO  
/ 5EVXPÆ  
/ 6WDWHPHQW RI SURIHVVLRQDO

-Ä-p-ËÄ ZšÚé-ÚšÄšÄšP  
/ \$ EDFKHORU V GHJUHH LQ FRPSXWHU VFLHQFH RU FORVHO\ UHODWHG ILHOG  
/ DUDGXDWLV ZLOO EH DEOH WR DSSO\ FRPSXWHU VFLHQFH WKHRU\ NQRZOHGJH RI FRPSXWH  
V\VVHPV DQG VRIWZDUH GHYHORSPHQW IXQGDPHQWDOV WR SURGXFH FRPSXWLQJ EDVHG  
VROXWLRQV!

½½UDGXDWLV ZLOO EH DEOH WR DSSO\ UHFRPPHQGHG UHFRPPHQGHG UHFRPPHQGHG UHFRPPHQGHG  
Ä-0ËÚ ½š•áéUšP ,áásÄ-š-\$ xU,•á-•,½½,•ËÚ,áËÚú óËÚ°\$ áás Ä,ú-ÄéÄ ,Ä-Ä-Ä-ÄéÄ  
¥Ú,dHOG,áRI,FRPSXWLQJ,½š\$ áás ¥Ú,-šP š,ÚÄš- ËÚ áás ÚšPé½áp ËP ,½½ šÄ=-ËP=ášÚÄ sú,Ä-Ä,á-ËÄP\$  
Ä-\*UDGXDWLV ZLOO EH DEOH WR DSSO\ FRPSXWLQJ UHFRPPHQGHG UHFRPPHQGHG UHFRPPHQGHG UHFRPPHQGHG  
DXGLHQFHV LQ ERWK RUDO DQG ZULWWHQ IRUPV  
\*UDGXDWLV ZLOO EH DEOH WR UHFRJQLJH SURIHVVLRQDO UHVSQVLELOLWLHV DGGPDNH  
LQIRUPHG MXGJPHQWV LQ FRPSXWLQJ SUDFWLFH EDVHG RQ OHJDO DQG HWKLFDO SULQFLSO  
\*UDGXDWLV ZLOO EH DEOH WR IXQFWLRQ HIIHFWLYHO\ DV D PHPEHU RI D WHDP LQ GHYHORS  
FRPSXWLQJ WHFKQRORJ\ DQG VROYLQJ WHFKQLFDQ SUREOHPV

Code	Title	Credits
C	hdeudROar tn CtnTGoha aBaOtRvaeT	
C	tvRITdeq oem CtudaTE	
C	tvRITah Cudaeua tOotwldlv	
C -	CtnTGoha eqdeeahdeq OauTdBa	
C -	CErTavr OauTdBa	
C -	pYathE OauTdBa	
<b>Breadth Elective Requirement</b>		
<b>CaOauT tea utlhra nhtv oT OaorT TGt tn TYa ntOotGdeq uoTaqthdar</b>		
C	ioeqloqatvRdOahr utlhrar	
-		
C	iohqa CuoOa CErTavr utlhrar	
-		
C	etGOamqa CErTavr	
-		
C	mBoeuam RRduoTdter	
-		
th		
<b>General Elective</b>		
<b>CaOauT oe ommdTdteoO aOaBae uhamdTr tRTdter OdrTam aOtG</b>		
haomTY OauTdBa	mmdTdteoO utlhrar nhtv haomTY OauTdBa voE a uYtraeS	
OtraOE aOoTam drudROdear	dTY oRRhtBoOF rTlmaeTr voE deuOlma IR Tt uhamdTr tn aOauTdBa qhomloTa utlhraGthg de uOt haOoTam mdrudROdear aSqSF oTYavoTdur CTOTd dtDenthvoTdur tvRIToTdteoO dtOtqEF OauThduoO tvRITah eqdeeahdeq	E urF
tOotwldlv	CTlmaeTr voE haRaoT C IR Tt ommdTdteoO uhamdTr	
eTaherYdR GdTCTlmaeTr voE oRROE oT vtrT	uhamdTr tn C emlrTHE	
pYardr RTdte	orTahcr pYardr dr tRTdteoOS CTlmaeTr utvROaTdeq o TYardr Toga uhamdTr tn C	