

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 VLVWJHGHH VWXGHQWV ZLWK
QHFHVVDU\ WR SXUVXH DGYDQFHG DFDGHPLF RU WHFRRODWRU\ DQG DQDO\VLV RI WHVPL
ZRUOG

6WXGHQWV OHDUQ HQKDQFHG DQDO\WLFDO VNLOOV WKURXJK DQ LQ GHSWK XGGHUVWDQGLQJ P
DQG SUDFWLFDO FRQFHSWV ZULWWHQ DQG RUDO FRPPXQLFDWLRQ VNLOOV DQG WKH FULWLFDO
WKLQNLQJ 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[WUXQJLQJ IXQGHHG! VXSS#UW IRV"WHU" !
IDFXOW\ OHDUQLQJ HQYLURQPHQW DQG H[WUXQJLQJ UHVHDFK! QYROYHPHQW #

7KH 6W /RXLV UHJLRQ KDV D VWURQJ FRPSXWHU VFLHQFH FORVLYH LQFOXGLQJ WHFKQLFDQ
RSHUDWLRQV IRU PDQ\)RUWXQH FRPSDQLHV DV ZHOO DV D YLEUDQW VWDUW XS FRPPXQLW
LQFOXGLQJ LQFXEDWRUV VXFK DV &257(; DQG 7)RU QHUVVORRUPDWERRE SXVVLW 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[WUXQJLQJ ZRUN HQYLURQPHQW V-•

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

\$ "
#!! " \$ "
/ \$SSOLFRPVLORHWLQ DQG IHH
/ 7UDQVFULSW V
/ *5(JHQHUDO WHVW VFRUHV 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 GHYHORSHPHQW 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 òËÚ°\$ áás Ä,ú-ÄéÄ ,Ä-Ä-Ä-ÄéÄ
¥Ú,dHOG,áRI,FRPSXWLQJ,½š\$ áás ¥Ú,-šP š,ÚÄš- ËÚ áás ÚšPé½áp Ëª ,½½ šÄ-=-Ëª=áásÚÄ 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 UHVSRVLELOLWLHV 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	
Breadth Elective Requirement		
CaOauT tea utlhra nhtv oT OaorT TGt tn TYa ntOotGdeq uoTaqthdar		
C	ioeqloqatvRdOahr utlhrar	
-		
C	iohqa CuoOa CErTavr utlhrar	
-		
C	etGOamqa CErTavr	
-		
C	mBoeuam RRduoTdter	
-		
th		
General Elective		
CaOauT oe ommdTdteoO aOaBae uhamdTr tRTdter OdrTam aOTG		
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	