6DLQW /RXLV 8QLYHUVLW\pV 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\VHV WR LPSDFW WKH ZRUOG LQ D SRVLWLYH PDQQHU

$SSOLFDWLRQ DQG $VVLVWDQW

7KH JUDGXDWH SURJUDP LQ FRPSXWHG VFLHQFH VWXGHQWV WKH ... NQRZOHGJH DQG H[
QHFHVVDU\ WR SXUVXH DGYDQFHG DFDGHPLF RU ... WHFKRQRORJLFDO ZRUN LQ D PRGHUQ HHVHU \
ZRUOG   DQG)HEUXDU\   VXPPHU

6WXGHQWV OHDUQ HQKDQFHG DQDO\WLFDO VNLOOV WKURXJK DQ LQ GHSWK XQGHUVWDQGLQJ R
DQG SUDFWLFDO FRQFHSWV ZULWWHQ DQG RUDO FRPPXQLFDWLRQ VNLOOV DQG WKH FULWLFD
WKLQNLQJ VNLOOV UHTXLUHG WR DGYDQFH LQ WKH   ×ÚH½•-à–Ä –š•-Þ-ËÄÞ ,Úš Ã,–š ×šÚ ¥é-–š½-ÄšÞ
                                            –šx,ÚååªÄÄ-Ã$ Þ•ªË˽ ËÚ •Ë½½š¥š*

6/8pV UHVHDUFK EDVHG FXUULFXOXP DV ZHOO DV JHQHURXV IXQGHG VXSS#UW IRV"WHU"   !
IDFXOW\ OHDUQLQJ HQYLURQPHQW DQG H[WHQVLYH UHVHDUFK LQYROYHPHQW
                                            #
                     !!   "   "
7KH 6W /RXLV UHJLRQ KDV D VWURQJ FRPSXWHU VFLHQFH HFRV\VWHP LQFOXGLQJ WHFKQLFDQ
RSHUDWLRQV IRU PDQ\ )RUWXQH   FRPSDQLHV DV ZHOO DV D YLEUDQW VWDUW XS FRPPXQLW\
LQFOXGLQJ LQFXEDWRUV VXFK DV &257(; DQG 7 $SSOLFDWLRQV E\WKH SURJUDP DGPLVVLRQ
                                            IRU PRUH LQIRUPDWLRQ FRPSXVLW WKH 2IILFH RI
                                            ZZZ VOX HGX ILQDQFLDO DLG

&DUHHUV LQ FRPSXWHU VFLHQFH DUH UHJXODUO\ 7KH 'HSDUWPHQW R¼-šÚ-Þ-ØÞ-ÙÚ-šÞ-ÍéÄ-é½é.éÄ-å-é..
UHZDUGLQJ DQG SURYLGH JUHDW FRPSHQVDWLRQ DQG H¾Ã-Ûè-•é-•Úšå-Ê-ÚÄ-ôÄô-šÄô-ôÀ-š¥Ã.-½-Ë¤-..

3RVLWLRQV LQ WKLV dHOG LQFOXGH VRIWZDUH GHYHORSHU   ×ËÃ×éÚ-U,ª¥½-¥Äé-À.,½-å •Ë..
QHWZRUN DUFKLWHFW ZHE GHYHORSHU GDWDEDVH DGPLQLVWUDWRU DQG LQIRUPDWLRQ VHFX..

>š UÄ-Å¥ Kéa•ËÄšÞ

           # $ "
#!!   " $ "
/ $SSOLFDWLRQ DQG IHH
/ 7UDQVFULSW V
/ *5(JHQHUDO WHVWV VFRUHV UHFRPPHQGHG
/ 2QH UHFRPPHQGDWLRQ XVLQJ DQ RQOLQH HYDOXDWLRQ IRUP   PRUH
  UHFRPPHQGDWLRQV DUH RSWLRQDO
/ 5ÆVXPÆ
/ 6WDWHPHQW RI SXURRIHVVLRQDO

–Ã-ÞÞ-ËÄ ZšÙé-ÚšÃšÄåÞ

/ $ EDFKHORU V GHJUHH LQ FRPSXWHU VFLHQFH RU FORVHO\ UHODWHG ILHOG
/ DW # DGPXDWHV ZLOO EH DEOH WR DSSO\ FRPSXWHU VFLHQFH WKHRU\ NQRZOHGJH RI FRPSXWH
    V\VWHPV DQG VRIWZDUH GHYHORSPHQW IXQGDPHQWDOV WR SURGXFH FRPSXWLQJ EDVHG
    VROXWLRQV!

½½ UDG-ÞÞ-ËÄ x˽½-š,Ä Àé•šÃĪé-ÚšÞÍéšÄÄ,½–š Þ¼Ú-ˤ½ÈÞå,$ åÄ,éÚÚ,ÚÃÝ-š-ˤ–š•å-Ã.ÞÞÞ
,Ä-0ËÚ ½š•ååéÞ¼Þ ,ååšÄ–š-šÃ$ ×Ú,•š-•,½ ½½ ,•ËÞ¼Ú õ˽ºª$ åª-š Ã,-ú-ÄéÃ,Ã- Ã-Ä-ÄéÃÃ
¥Ú, dHOG RI FRPSXWLQJ
,Ä-*SÃ,ª-À,ª¥½,½½½-$ª,ª¥$ åª-šÚ,å-,½šÚ š¼ åª Úšé½¥½½ Ë¤ ,½½ šÄLéÄÄ,½š Ë¤ ,½½ šÄ-=˼=åšÚÄÃéÃéÚ¥Ë½-ËÄÄ$
,Ä-*UDGXDWHV ZLOO EH DEOH WR FRPPXQLFDWH HIIHFWLYHO\ WR SURIHVVLRQDO DQG JHQ
    DXGLHQFHV LQ ERWK RUDO DQG ZULWWHQ IRUPV
    *UDGXDWHV ZLOO EH DEOH WR UHFRJQL]H SURIHVVLRQDO UHVSRQVLELOLWLHV DQG PDNH
    LQIRUPHG MXGJPHQWV LQ FRPSXWLQJ SUDFWLFH EDVHG RQ OHJDO DQG HWKLFDO SULQFLSO
    *UDGXDWHV ZLOO EH DEOH WR IXQFWLRQ HIIHFWLYHO\ DV D PHPEHU RI D WHDP LQ GHYHORS
    FRPSXWLQJ WHFKQRORJ\ DQG VROYLQJ WHFKQLFDO SUREOHPV

Code	Title	Credits
C	hdeudROar tn CtnTGoha aBaOtRvaeT	
C	tvRlTdeq oem CtudaTE	
C	tvRlTah Cudaeua tOOtwldlv	
C -	CtnTGoha eqdeaahdeq 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 - th	mBoeuam RROduoTdter	

General Elective

CaOauT oe ommdTdteoO aOaBae uhamdTr tRTdter OdrTam aOtG

haomTY OauTdBar	mmdTdteoO utlhrar nhtv haomTY OauTdBar voE a uYtraeS	
OtraOE aOoTam drudROdear	dTY oRRhtBoOF rTlmaeTr voE deuOlma lR Tt uhamdTr tn aOauTdBa qhomloTa utlhraGthg de uOt haOoTam mdrudROdear aSqSF oTYavoTdur CToTd dtdenthvoTdur tvRlToTdteoO dtOtqEF OauThduoO tvRlTah eqdeaahdeq	E urF
tOOtwldlv	CTlmaeTr voE haRaoT C lR 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	