

&KHPLVWU\

1HXURFKHPLVWU\

&51

,QVWUXFWRU 'U .HOO\ 'UHZ
2IILFH RIILFH K~~U~~WULH) 0:)

7HOHSKRQH

H PDLO NGUHZ#DODVND HGX
/HFWXUH 75 OXULH URRP

3HUXVDOO &UHDWH D 3HUXVDOO DFFRXQSW: D Q G H~~K~~SR~~I~~QUUVRJLW~~V~~ B~~W~~WLR~~Q~~

+RPHZRUN \$VVLJQPHQWV SRVWHG+R~~Q~~IR XGJXHH D~~W~~KMIGIX~~E~~HH JLVQQQ~~Q~~V VR I W
RWKHUZLVH/~~D~~W~~Q~~L~~F~~:DW~~W~~QRW DFFHSWHG
+RPHZRUN DQG UHDGLQJ DVVLJQPHQWV RWKHU WKDQ IURP

+RPH ZRUN PDNSHWSH QG QHXURVFLHQFH VHPLQDUV \$ ZULWH XS DERXW D
SHHU UHYLHZV RI VHOHFWHG DUWLFOHV 8S WR +: DVVL
KWWSV QHXURVFLHQFH QLK JRY QHXURVHULHV +RPH DVSD

&RXUVH 'HVFUL~~S~~R~~M~~URQH ZLOO FRYHU EDV~~L~~G W~~H~~U~~G~~UD~~S~~DOOL~~N~~GJD~~V~~SHLQWV RH FWXU
FKDSWHUV IURP DVVLJQHG WH[W DV ZHOO DV UHFHQW DQG
FRQFHSWV LQWURGXFHG LQ OHFWXUHV ZLOO EH DSSOLHG W
6WXGHQWV ZLOO OHDUQ WR SUHSDUH ³ 2(Ge` 0WUà à OO

‡ .QRZ IXQFWLRQV DQG GLVHDVHV DVVRFLDWHG ZLWK QH)
‡ 5HFRJQLJH VVUXFWXUH DFWLYLW\ UHODWLRQVKLSV DQG
QHXURWUDQVPLWWHU DJRQLVVW DQG DQWDJRQLVWV
‡ %H DEOH WR DGGUHVV GHWDLOHG PHFKDQLVPV RI QHXU
‡ 6\QWKHVLV
‡ 6WRUDJH
‡ 5HJXODWHG UHOHDVH
‡ 5HFHSRU VXEW\SHV DQG HIIHFWRUV
‡ 7HUPLQDWLRQ RI HIIHFHW
‡ .QRZ EDVLF QHXURFKHPLFDO DQDW~~R~~P\ RI WUDQVPLWWH

+RPHZRUN 6WXGHQWV ZLOO EH JXLGHG E\ WKH LQVWUXFW
SDSHUV WR DFKLHYH WKH IROORZLQJ REMHFWLYHV
‡ .QRZ KRZ WR GHFLSKHU D VFLHQWLILF SDSHU
‡ .QRZ KRZ WR LQWHUSUHW GDWD SUHVHQWHG LQ IRUPDW
‡ .QRZ KRZ WR FULWLFDOO\ HYDOXDWH H[SHULPHQWDO GI
FRQFOXVLRQV GUDZQ IURP GDWD VKRZQ DQG GHIHQG R
‡ .QRZ KRZ WR SUHSDUH D SHHU UHYLHZ RI D VXEPLWWHG
HGLRU

*URXS 3URMHFW 6WXGHQWV ZLOO EH JXLGHG WKURXJK RU
IROORZLQJ REMHFWLYHV
‡ %HFRPH IDPLOLDU ZLWK GDWD EDVHV DQG RULJLQDO OL

.QRZ HIIHFWL~~Y~~H WHFKQLTXHV IRU RSWLPL]LQJ SRVLWLY
SOD\HU DQG DV D JURXS OH~~D~~GHU
7RWDO SRLQWV LV FDOFXODWHG IURP WKH DYHUDJH RI DOO
SUHVHQWDWLRQV DUH WKHUH DUH PHPEHUV LQ WKH JURXS
GRHV QRW GLYLGH LQWR FODVV QXPEHU HYHQO\ DQG ZH HQ
GURS WKH FODVV EHIRUH WKH HQG RI WKH VHPHVWHU *URX
DOO JURXSV PXVW JLYH DW OHDVW DV PDQ\ SUHVHQWDWLRQ

7H[W

%DVLF 1HXURFKHPLVWU\ OROHF~~X~~ODU &HOOXODU DQG OHGI
W~~K~~HGLWLRQ LI \RX FDQ W~~K~~WLRQ~~W~~W~~K~~R~~X~~Q~~G~~V~~A~~IIILFH

2WKHU 5HTXLU~~2~~GLJLQDO UHVHDFK DQG UHYLHZ DUWLFOHV WR EH DVVLJQ
5HDGLQJ

+RPHZRUN ([DRMDBQDQG TXL])HV ZLOO W\SLFDOO\ FRQVLVW RI D VXEVHW
*UDGLQJ VFKHGXOH IRU ZKHQ KRPHZRUN LV GXH 3HUPLVVLRQ WR K
DQG ZLOO QRW EH DFFHSWHGDMLWKRIMZ&UNRZLDO~~OXUDQWVHEPH~~
DUUDQJHPHQWV DUH PDGH EHIRUH WKH KRPHZRUN LV ODWH
H[FHSWHXQG]HFXPVWDQFHV ,I VXFK FLUFXPVWDQFHV ,I D PDNH XS H[DP LV
WKH VFKHGXOHG WLPH RI WKH H[DP ,I D PDNH XS H[DP LV
WKH RULJLQDO H[DP \$Q\ VVXGHQW VXVSHFWHG E\ WKH LQ
DVVLJQHG D FRXUVH JUDGH RI) FRXUVH GUURSH IORHUVW~~WZUQJ~~
DVVLJQHG ZLOO EH EDVHG RQ WKH~~RXWUDQW~~ SKWIXIDROQOPD QHFL
\$ % & ' DQG EHORZ LV IDLOLQJ
\$GG VHPLQDUV~~<RQGPOURR~~ RRVH WR MRXUQDO \RXU~~LPSWSVVQ~~ RQV~~URHUIRHO~~
D TXL] RSWLRQDQG GURS RQH TXL] JUDGH <RX ZLOO EH DVNHG WR WXUQ
'LVDELOLWLHV 6WXGHQWV ZLWK D SK\VLFDO RU OHDUQLQJ GLVDELOLW\ DU
LQ WKH 'LVDELOLW\ 6HUYLHFV RIILFH ORFDWHG LQ WK
PXVW SURYLGH GRFXPHQWDWLRQ RI WKH GLVDELOLW\ 'LV
DUUDQJHPHQWV IRU WDNLQJ WHVWV ZRUNLQJ KRPHZRUN D

\$VVLJQPHQWV IRU &KHPLVWU\

([DPV SWV HD SWV
4XL])HV SWV
3UHVHQWDWLRQV RI RULJLQDO UHVHDFK SDSHUV
&RPSUHKHQVLYH ILQDO H[DP SWV
+RPHZRUN 3HUXVDOO FRP&HQ~~SWV~~ a SHHU
UHYLHZ