

'HSDUWPHQW RI)UHQFK 6WXGLHV
)UHQFK \$ ± - OD UHFFSKRULFKHREJ 6HHNLQJ LQ)UH
 &RXUVH RXWOLQH IRU)DOO

\$OWKRJK WKLW DFDGHP IGLNHDUHQW JK WLVWHLUQF RQ PYL WWHG
 WKULYLQJ F:DPISQFRXUDJH \RX WRJEKWHDFN 6RXWG WZHEM SMHLHQ
 WR PDQDJH \RXU DFDGHP LFV DQG ZHORZEJLQQLQNG SLURYL
 DYDLODEOH UH\$RXUWFNW XGRHXSV RQVDOGSVRIIZEPXSXV FD KHD

7HFKQLFDO 5HTXLUHPPHQWV
 6WDEOH LQWHUQHW FRQQHFWDLRSWRS RU FRPSXWHU
 :RUNLQJ PLFURSKRQH :RUNLQJ ZHEFDP

&RXUVH 2YHUYLHZ DQG ,PSRUWDQW 'DWHV

'HOLYHGH	'DWHV	7LPH
2QOLQH	YXHVGD	SP ₂ SP
'HWDLOV DERXW LS@P B#00 ([DP 3HULRG		

6HSWHPEHU	1RYHPEHEHU	'HFRPEHU	'HFHPEHU
1RYHPEHU	/DWRB GDILWRWGW HULP DK DIOU VFRXUWHHP ZXVQFRXW SHQD		

&RQWDFW ,QIRUPDWLRQ

&RXUVH &RRUGLQDWRU	RQWDFW ,QIRUPDWLRQ
'U /DWp /DZVRQ +HOOX	2:/ PHVJHWR /DZVRQO DZVQK

&RXUVH 'HVFULSWLRQ DQG 'HVLJQ

Préalable

)UHQFK RX)UHQFK ()UHQFK
EDVpH VXU OH 7HVW GH 3ODFHPHQW

Description

/H FRXUV)UHQFK \$FRXWVXQ GH pGLXL GH XFRXUHT XWLOLVp
O↑REWHQ &MURQLG KDW GH IUDDH D LVSGH F HDGID UUBQ oDLV GHV DII

/H FRXUV YLVH j GpYHORSSHU OD FRPRXQQ pFDWWRQG BDDOHHH
VSpFLILTXHKGHU FKH UHFXQ HPSORL

/D JUDPPDLUH HW O↑MIS UHNSULPQH Q FWHGWO pPY B B XOWLRG GHV W
WHVWV SRXU FH FRXUV

Matériel

7RXW OH PDWpUHH BQH OWJGHVSRQ OEDVLWH G X FRULHQ j DFKHW

ORGH	'DWHV	7LPH)UHTXHQFV
9LUWXDO V\QFK	URQRXV	7XHVGD\V	SP
9LUWXDO DV\QF	KURQRXV	1 \$	

SP
ZHI

- \$V\QFKURQRXV SUH ZRONWPKV \$ULH B RVB WLB BQURQRXV VH
- \$WWHQGDQFH DWHVQERQRQRXVHTXLUHG
- 0LVVHG ZRUN VKRXOG EH FRRSOHHWHG ZLWKLQ
- \$UHFRUGL SUZYOGHEKURRQRVQF VHVVLRQV
- &ORVHG FDSWLRQLQRQLD XGERRSURYR B B GQJV

\$OO FRXUVH PDWHULDO ZLWOSEHRSZS WHEKDR JH:V ZLOO EH LQGL
2:/ VLWH DQG GLVFXVVHG ZLWK WKH FODVV

,I VWXGHQWV QHHG DVVLVWDQFH W:KHHEBQS VSHNHV XSSRLYM OR
FDQ FRQWDFWHU 7HFKQRORJ\ 6HFKLFDDQ E BFRQWDFWHG E\ S
RU H[W

*RRJOH & KURPHOOD DUHHWKH SUHIHUHG EURZVHUV DWRX B SWLF
EURZVHUV IUHTXHQW G V VHG G B QHV D B DWH Q JVS KH G H B Q HDVH F

/H DUQLQJ 2XWFRPHV

/HV REMHFWLIV SULQFLSDX[GX FRXUV VRQW OHV VXLYDQWV
LGHQWLILHU OHV D FELLOW WUPH G B P B S D R E B Q H
LGHQWLILHU V B V R G B R X R Q H P D G B K S O R H O ↑ H P
LGHQWLILHU OHV H P W K F B X V T X L F K I H U V F W F R P S L Q H B B R L Q H
G ↑ H P S O R L
UpGLJHU XQH OHW WFRQ B DLQDFD QMG D W H D B S R Q F H j X Q
pFULUH XQ & 9 HQ B R Q S H F Q D V Q S U G F D X H R U P D O D W W Y B X V W V
VH SUpS D H H Q W U H W L H Q G V K B E D X F H H Q W D H V G L H Q ↑ G ↑ H P E D X F

(YDOXDWLRQ

%HORZ LV WKH HYDOXPHUWKH FURKDNVGRZQ OGHYLDWPERQLFDWH

\$VVHVPHQW)RUPDW	JKWLQ	'MH 'DWH
4XL] PLQ	YQDFD	VV	6HSWHPEHU
4XL] PLQ	,Q FODVV	YLD 2:/	^{WK} 2FWREHU
7HVW PLQ	,Q FODVV	YLD 2:/	^{WK} 2FWREHU
'HYRLU j UH	PHWWUH	\$VVLJQPH	QW ^{WK} To be submitted in Word format through OWL via email to the Instructor (.../Messages/Compose Message/To: Lawson-Hellu (llawsonh)
4XL] PLQ	,Q FODVV	YLD 2:/	^{WK} 1RYHPEHU

\RX VXFFHHG LQ WKLV FODVV
)ROORZ ZHHNO\ FKHFNOLVWV FUHDWRHGHOS 2R\XRUVWFDU HQWV
7DNH QRWHV DV \RX OR WWROR RDM MBE O V A UHMD VR XV Z BX OG
WR IDFH FRXUVH .HHS LQJ KDQGZULW W X Q D Q R : V R H V R G R F X Y H
ZLOO KHOS \RX OHYDLOQ WR IDQ IMIXY FMMWHD Q/KQJ YRLG HZ B W F K
&RQQHFW ZLWK RLVKJHDQ R7QJ LQ H V VUX GR HJUVRXSJ DQGG DWZ H
EDVLV IRU VWXG\ DQG SHHU VXSSRUW
'R QRW EH DIUDLG WR DVN TXHVWK RQ WR S LVR XF Q H FNVW KH
GLVFXVVLRQ ERDUGV LQV W R O V O R P U V R K M V L K / V Q D Q W V
5HZDUG \RXUVHOI IRU VXFFHVHV X W W H O P V I N D R I Z H Q J W R K
LV VRPHWKLQJ ZDLWLQJ IRU XV DW WKH HQG RI WKH WDVV

:HVWHUQ \$FDGHPLF 3ROLFLHV DQG 6WDWHPHQWV

\$EVHQFH IURP &RXUVH &RPPLWPHQWV

3ROLF\ RQ \$FDGHPLF &RQVLGHUDWLRQ IRU 6WXGHQW \$EVHQFHV

,Q WKH LQWHUHVW RI WKH KHDOWK DDUGH VSU R WL GR UWW X B X D W M D Q G O F
WR VHHN D PHGLFDHQ R W K L V R W H U P V H Q W R X F H H W X Q D F R Q U V H U H T X L U H
LOOQHVV \RX V K R Q Q G L V H H V R T H K L V Q W R R Q W D N H V W K H S O D F H R I W K
PHGLFDO QRWH D Q G H G \$ E V H Q F H S H S R W H P E R X R Q G H O J M D B G D W H V W X G H

<RX DUH UHTXLUHG WR VHOI UHSRUXQ D E Y O H U W G R D F R P I S D W H W R X F O R X H V L I O G
OG V X E P L W H P L L W W H G Z R W N N F A D C H E R U
ERYH R W S O I Q W L W W K R X K O G L F R R X V O L X
WKLV WRRO ZLWK LQWHJULW\

\$FFRPPRGDW R Q L I R L X V + R O L G D \ V

7KH SROLF\ RQ \$FFRPPRGDW R Q L I R L X V + R O L G D \ V E H Y L H Z H

6SHFLDO ([DPLQDWLRQV

\$ 6SHFLDO ([DPLQDWLRQ LV DQ\ H[DPLQDWLRQ R W R K H U D Q G D I Q W W R K H E
RQO\ ZLWK WKH SHUPLVVLRQ RI WKHH' H V D Q G H Q W K H V D U F X Q L W W H O H Z Q L E
ZLWK WKH LQVWUXFWRU DQG 'HSDUWPHQW 'EHQ\$'qws' @ QI} WL `p 0 R R I

&RUUHVSRRQGHQFH 6WDWHPHQW

7KH FHQWUDOO\HDSDLOLDVFBURQGHG WR VWXGHQWV ZLOO EH FRQV
RIILFLDO XQLYHUVLW\ H PDLO DGGWKVHVDFWRXQW WKH QJHS RVQV LHQOX
UHFHLYHG IURP WKH KBUYRIUVEVDODMOKY HV DLWWHDCGHG WR LQ D WLP
FDQ UH DG DERXW WKHUSULYRDFWBCG:2WVFDLID DFFRXQ

7XUQLWLQ DQG RWKHU VLPLODULW\ UHYLHZ VRIWZDUH

\$OO DVVLJQPHQWZHLFD WR VXEPLDULLWQ IURHYWHZ WWD W/KH FLCP PHUF
GHWHFWRQ VRIWZDUH XQGHU OLFHQWLRQ R IWSKHDSQDUHVRLW6WRGHW
WR YLHZ WKHLU UHVXOWV EHIRUH WKH IURUWHG VRIWZDUHFKLFDHE\$OLOQSD
DV VRXUFH GRFXPHQWV LQ WKH UHIHUHQFHGHGFWDEDVSDRUDWKMP
VXEVTXHQWO\ VXEPLWWHG WR WKH VWHWHP W8V HW RH WKH QNUULF
FXUUHQWO\ EWHZHQQLYVUVQWWDQGRP

\$UWV DQG +XPDQLWLHV)UHFK 6WX6WHDW\$PBGMP/LF 3ROLFL

+DUGZDUH VRWZDUHW FRQQHFWRQ

-XVW DV \RX ZRXOG SUHSDUHQ\RXUFDPS\$DUERXUWHXUSBRPSXWHU L
UHVSRRVLELOLWUH\$VXGRQVFKDUWH WHFRQDQDOIBHTXKUV FRXUVH
‡ BRPSXWHUHTXLYDQHQVDSBEHOH RI

W\SDHQFK DFFHQWV GLUHFWO\ LQ 2DQZLDVFRXQW FPLS\WSDNH
DOZD\V
ZHEURZVLQJ
DXGURFRUGLQJ

‡D SHUVRQDO EDFN XS

\$ TXLHW VHWLQJ

6RPH RQOLQH WHVWV DUH PHWHUHG DQG XFDQ WRXUHQFH DWRHURJXS W H
7XUQ SRUQH DM ZHOO DV DOO PHVVDJLQJ RU HPDLR XVZRUW ZDURL WHK
SRS ZSQGRZV

7R DYRLG SRVVLEOH VRIWZDUH JOLWFKHLW EMIRGHEW DEDGM WR XVH
FRPSXWEG ODXQFK RQO\ RQH EURZVHU DSSSLFDWLRQGZHEWKHRQO\ F
SURJUDPV ULXQWKU EDFNJURXQG

\$W WKH HQG PDNH QURXBXDQYHUV EMIRBU JRDGLXP

6XEPLWWLQJ DQ Devoirs de Préparation et Travail final

,QVWUXFWLRQV IRU DVVLJQPHQW LQ 2ZO

‡6WXGHQUMVH[SHFWHG WR XVH WKH ³0HVVDJHJV ZLWRK 0 KIQ ,QZOWIUXUF FVR
DOO QrupDO FRXUVH UHODWHG PDWWHUV

‡ 30HDDYRHXGLQJ WKH ,QVWUXFWRU¶V SHUVRQDOV³\$XZRWDLRDLQ VRRU
RQOLQH FRXUVH

‡ 6WXGHQWV DNHHSGYFRSDOVRZULWWHQ FRUUVSRQGHQFHRZLWK WK
RI WKH FRXUVH

&RS\ULJKW DQG \$XGLFRUGGQJ 6WDWHPHQW

&RXUVH PDWHULDO SURGXFHG E\ IDFXOWFHLWKLR/SPDLWKWHDGO DQG DQ