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Applicability / Scope

7 K \S U R R J U D

&OVD O BW \ V W H P W L V L W R K Q O V H Q R U P D Y O Q V H R S W Q V H J K W
O L W K D G H F S D R W H F X Q B I Q G H G Y R Z H Z Y G L H Z W E H D R I S O D V V
O O D Z L W R S F D D V G L N H D P L D S R W H L Q W L D O O \ K D J D U G R X V

&OVD O BW \ V W H S R W H Q W D I D O O R G V H R P Y L H Z E Q Q G L W L R Q V E X V
W K H S U R E D E L F O W Q M E W P D O G W K H F R G D W X R D V B I X V B H
V W U D L J K W O R V Z D U G V H U V O S V V Y L R X G O D V L G M K F D W H D R L D O O
' H S H Q G L Q J R Q S R Z H U D Q G E H D P D U H D W K H \ F D Q E H P R F
Y L H Z H G R U Z K H Q V W D U L Q J G L U H F W O \ D W W K H E H D P Z L W K
Z K H Q Y L H Z H G Z L W K R S W L F D O D L G V

&OVD O BW \ V W H H H K D J V U R L Q W H D E H Z D Q V S H F W G I O H F W L R Q V
H M Q R P R P H Q W I S R V X U B V I H X W O W D W L R I Q U P W V W H

& OVD % DGF OVD VO DW VK DEOR S HUB Q ZL WKKZH LQVDS SURYDO RI WKH
/62 7KH/62 VK D O MHD XWK RURL WHUP IRSDW D WDR/DPH

Department Chairpersons

'HSDUWPHQW FKDLUSHUVRQV DUSHWKIR/SIR]B VIMKOVHUR JLO DVVX
ODVHUV ZLWKLQ WKHLU GHSDUWPHQW RSHUDWH WKR VH C
SURJUDP

Laser Use Registration (LUR)

\$Q\ RQH LEUL&OJD V VRU JUHDWHU ODVHUVRQWKE PLEB V SX V DVHU
5HJLV Q USWLRUP WR WKH 5DGLDWLRQ 6DIHW\ 2IILFH 7KH /8
W 16 \$ 5DGLDWLRQ W DVFTM HUNL RHD D QGKSDVGIU SRLQWHUV ZLO
UHJLVWHUHG

Laser Use Application (LUA)

\$ /DVHMH \$SSOLZ \$ DWK E O FRP SEQ HWKRGV H VHHNLQJ RW R XVH D
ODVHU DW 7KH 8QLYHUVLW\ RI 6RXW E \ \$ O V S H F 2 3 D L B QG PXVW E

Standard Operating Procedures

)R O DVHUV VWDQGDUG RSHUDWLQJ SURFHGXUDWLRQ 623V DU
ODVHUV 7KHVH 623V PXVW

D GHVFULEH KRZ DUGV SROQG LQJ FRQWUROV DVVRFLDWHG ZL
E GHVFULEH SURFHGXUHV IRU VWDUW XS VKXW GRZQ DO
F GHVFULEHW\ SUHFDXWLRQV VWUD\ EHDP XQZDQWHG UH
DYRLGDQFH RI WKH EHDP RQ D KRULJRQWDO SODQH ZL
H\HZHDU KDQGVHWR VE HDIROLORJZHG
G GHVFULEH KRZ WR UHVSROQG LQ DQ HPHUJHQF\ VLWXDWL
H Q VW ODVHU SURWHFWLYH H\HZHDU UHTXLUHPHQWV DQG
I EH UHYLHZHG DQQXDOO\ E\ DOO XVHUV

\$WWDFK WKH 2SHUDWRU 5HYLHZ GRFXPHQWDWLRQW R WKH
E\ WKH \$XWK R VLD Q G DOVO HDVHPH G V R U WKH SHUPLW IRXQG P
WKH 623 WKH 623 JHG VLQFH SHUPLWWLQJ RU RYHU WKH \H
QHZ /DVH H B S G V G FRPSOHWH D QHZ /8 \$ V H D Q G V I R \$ S S O G F W
WKH /62

^ Class 2 lasers other than handheld classroom laser pointers: We issue LURs for Class 2 open lasers used for teaching, alignment & demonstrations to simply inform us so that when concerned individuals report an unposted laser lab, we already have a record of the laser. This information is also of interest to some who want to know the number of lasers on campus (other than handheld pointers).

\$

Laser Safety Training Requirements

Initial

Consequences of Non-Compliance

:KHQ SUREOHPV DUH LGHQWLILHGR G XLWLVQ JPSOHLQOWSR EOW IWRK
/62 RU GHVLJQDWH ZLOO SUHSDUH DUH HHSRPHWQ GHV DFROULLQHF
DFWL \$QQRPV VLVDPV VKDOO EH FRUUHFWHG LQ @ WLPHO\
LQ WKH UHSRUW/HV7KHQ D@ZH RPUD\ HLW X-SU LS\LSHREMP LB QI RQO R]
FRQILUPDWLRQ RI FRPSOLDQFH

,Q WKH HYHQW RI DQ\ VHULRXV YLRODMHL RQ2 RZL @Q VEFURLYCHJU W
PDWWHU WR WK\$X DW RWHLQ \$VGHQD RPHXWIKULU WR Q,Ò D@Ð`R)

8)2 ð0 DW0

ZLWK & ODDWHUV PXVW EH PDGFRPIERKRWSEWHEPDIWQURLOOV
KDJDUGV LQ WKH ODVHU ODE LQFOXGH WKH VWRUDJH DQG
FRPSUHVHVG DQWKHFLUFRSQRVERQGHZDWMQDQLDQIFLRPDWLRQ IO
3URSHU VWRUDJH DQG FRQWURO RI WKHVH VRXUFHV VKRXC

Laser

Appendix A

Laser Pointer Safety Guidelines

~~SSOLFDE~~ ~~FODW~~ ~~QFODV~~ ODVHU SRLQWHUV XVHG IRU FODVV
SUHVHQWDWLRQV VKDOO EH RSHUDWHG XQGHU WKH JXLGH
DQG & ~~ODD~~WHU GHYLFHV VKDOO QRW EH XVHG LQ LQVWUXFW
\$ FODV ODVHU SRLQWHUV ~~DJKWD~~ ~~SRZ~~ ~~EO~~ RXWSXW QRW WR H[F
7KLV ~~UZO~~ ~~OFD~~ ~~QVHG~~ DDPDJH EHIR ~~PM~~ ~~XWR~~ ~~QR~~ ~~PUL~~ ~~HI~~ ~~Q~~ ~~PD~~ ~~SR~~ ~~VH~~
VHYHUH H\H KDJDUGV ZKHQ YLHZ ~~Q~~ ~~BR~~ ~~WK~~ ~~UR~~ ~~V~~ ~~F~~ ~~J~~ ~~K~~ ~~S~~ ~~R~~ ~~S~~ ~~W~~ ~~D~~ ~~L~~ ~~Q~~ ~~F~~ ~~Q~~ ~~E~~ ~~L~~ ~~Q~~ ~~R~~
,I WKH EOLQN UHIOH[LV GHOD\HG ORQJHU WKDQ PV V
PD\ RFLXUHUJH ~~Q~~ ~~F~~ ~~M~~ ~~S~~ ~~L~~ ~~F~~ ~~D~~ ~~O~~ 5 ~~P~~ ~~O~~ ~~D~~ ~~M~~ ~~H~~ ~~U~~ ~~L~~ ~~S~~ ~~R~~ ~~I~~ ~~D~~ ~~O~~ ~~V~~ ~~P~~ ~~R~~ ~~V~~ ~~W~~ ~~K~~ ~~D~~ ~~U~~ ~~P~~ ~~O~~ ~~H~~ ~~V~~ ~~V~~
HYHQ ZLWKRXW ~~EX~~ ~~W~~ ~~Q~~ ~~N~~ ~~U~~ ~~H~~ ~~V~~ ~~H~~ ~~I~~ ~~V~~ QRW]HUR
7KH LQWHQG HG XVH RI ODVHU SRLQWHUV FDUULHV D YHU\
/DM ~~G~~ ~~D~~ ~~I~~ ~~H~~ ~~W~~ \ & ~~R~~ ~~P~~ ~~D~~ ~~S~~ ~~V~~ ~~R~~ ~~Y~~ ~~H~~ ~~G~~ ~~O~~ ~~S~~ ~~R~~ ~~L~~ ~~Q~~ ~~W~~ ~~S~~ ~~U~~ ~~L~~ ~~V~~ ~~L~~ ~~Q~~ ~~R~~ ~~V~~ ~~H~~ ~~Q~~ ~~K~~ ~~H~~ ~~O~~ ~~V~~ ~~S~~ ~~X~~ ~~U~~ ~~S~~ ~~R~~ ~~V~~ ~~H~~
LQVWUXFW ~~Q~~ ~~F~~ ~~O~~ ~~X~~ ~~G~~ ~~H~~ ~~S~~ ~~O~~ ~~D~~ ~~O~~ ~~H~~ ~~Q~~ ~~W~~ ~~D~~ ~~W~~ ~~L~~ ~~R~~ ~~Q~~ ~~D~~ ~~L~~ ~~G~~ ~~V~~
/DEHOLQJ ~~R~~ ~~I~~ ~~7~~ ~~K~~ ~~H~~ ~~L~~ ~~Q~~ ~~W~~ ~~H~~ ~~U~~ ~~I~~ ~~R~~ ~~U~~ \H YLFHV DQG ~~H~~ ~~S~~ ~~T~~ ~~I~~ ~~C~~ ~~U~~ ~~R~~ ~~O~~ ~~R~~ ~~J~~ ~~L~~
PDQXID ~~V~~ ~~W~~ ~~X~~ ~~U~~ ~~S~~ ~~U~~ ~~R~~ ~~Y~~ ~~L~~ ~~G~~ ~~H~~ ~~F~~ ~~R~~ ~~U~~ ~~U~~ ~~H~~ ~~F~~ ~~W~~ ~~O~~ ~~D~~ ~~E~~ ~~H~~ ~~O~~ ~~L~~ ~~Q~~ ~~J~~ ~~I~~ ~~R~~ ~~U~~ ~~W~~ ~~K~~ ~~H~~ ~~L~~ ~~U~~ ~~O~~ ~~D~~ ~~V~~
KDJDUG V\PERO ODVHU FODVVLILFDWLRQ DQG PD[LXP SP
LQIRUPDWLRQ VKRXOG EH FOHDUO\ YLVLEOH RQ WKH ODV
SURYLGH RSHUDWLQJ DQG VDIHW\ LQVWUXFWLRQV

Operating Safety Guidelines

No person should ever intentionally stare into a laser beam. \$ ODVHU EHDP VKRXOG QH
LQWHQWLRQDOO\ GLUHFWHG WRZDUG RQHVOI RU GLUHF
GLUHFWHG WRZDUGV ~~W~~ ~~K~~ ~~H~~ ~~L~~ ~~Q~~ ~~W~~ ~~H~~ ~~F~~ ~~W~~ ~~H~~ ~~G~~ ~~R~~ ~~Z~~ ~~D~~ ~~O~~ ~~O~~ ~~I~~ ~~L~~ ~~U~~ ~~R~~ ~~E~~ ~~N~~ ~~H~~ ~~U~~ ~~K~~ ~~M~~ ~~D~~ ~~X~~ ~~G~~
VXUIDFHV VXFK DV JODVV PHWDO DQRX ~~Q~~ ~~W~~ ~~K~~ ~~H~~ ~~U~~ ~~D~~ ~~K~~ ~~L~~ ~~R~~ ~~I~~ ~~K~~ ~~O~~ ~~N~~ ~~G~~ ~~I~~ ~~Z~~ ~~I~~
GLUHFWLQJ WKH ODVHU EHDP ,QGLVFUB ~~P~~ ~~L~~ ~~Q~~ ~~D~~ ~~O~~ ~~D~~ ~~V~~ ~~X~~ ~~V~~ ~~H~~ ~~S~~ ~~P~~ ~~D~~ \
ODVHU ~~S~~ ~~R~~ ~~I~~ ~~S~~ ~~U~~ ~~R~~ ~~K~~ ~~U~~ ~~E~~ ~~L~~ ~~W~~ ~~H~~ ~~G~~ ~~L~~ ~~Q~~ ~~S~~ ~~F~~ ~~R~~ ~~I~~ ~~C~~ ~~F~~ ~~D~~ ~~X~~ ~~O~~ ~~F~~ ~~W~~ ~~L~~ ~~R~~ ~~Q~~ ~~Z~~ ~~L~~ ~~Y~~ ~~L~~ ~~K~~ ~~Z~~ ~~L~~ ~~Q~~ ~~J~~ ~~R~~ ~~I~~ ~~W~~ ~~I~~
DLGV LQFOXGH WHOHVFRSHV ELQRFXODUV YLHZLQJ RSWL
'LUHFWLQJ DQ\ ODVHU EHDP DW DQR ~~W~~ ~~K~~ ~~H~~ ~~U~~ ~~D~~ ~~K~~ ~~L~~ ~~R~~ ~~I~~ ~~K~~ ~~O~~ ~~N~~ ~~G~~ ~~I~~ ~~Z~~ ~~I~~ ~~P~~ ~~D~~ \ ~~F~~ ~~R~~ ~~I~~ ~~S~~ ~~T~~ ~~R~~ ~~I~~ ~~C~~ ~~F~~ ~~D~~ ~~X~~ ~~O~~ ~~F~~ ~~W~~ ~~L~~ ~~R~~ ~~Q~~ ~~Z~~ ~~L~~ ~~Y~~ ~~L~~ ~~K~~ ~~Z~~ ~~L~~ ~~Q~~ ~~J~~ ~~R~~ ~~I~~ ~~W~~ ~~I~~
ODVHU JXLGH ~~L~~ ~~F~~ ~~W~~ ~~W~~ ~~Q~~ ~~J~~ ~~D~~ ~~Q~~ \ ODVHU EHDP DW DQ\ PRYLQJ YHKL
ZLGH ~~H~~ ~~D~~ ~~P~~ ~~V~~ ~~W~~ ~~U~~ ~~L~~ ~~N~~ ~~H~~ ~~V~~ ~~F~~ ~~D~~ ~~O~~ ~~D~~ ~~V~~ ~~H~~ ~~J~~ ~~O~~ ~~D~~ ~~H~~ ~~R~~ ~~H~~ ~~W~~ ~~K~~ ~~D~~ ~~W~~ ~~L~~ ~~Q~~ ~~W~~ ~~H~~ ~~U~~ ~~I~~ ~~H~~ ~~U~~ ~~V~~ ~~Z~~ ~~L~~ ~~W~~
YLVLRQ DQG DELOLW\ WR ~~D~~ ~~D~~ ~~V~~ ~~R~~ ~~L~~ ~~Q~~ ~~D~~ ~~D~~ ~~V~~ ~~I~~ ~~D~~ ~~O~~ ~~R~~ ~~I~~ ~~O~~ ~~S~~ ~~L~~ ~~P~~ ~~I~~ ~~L~~ ~~Q~~ ~~F~~ ~~H~~ ~~O~~ ~~D~~ ~~K~~ ~~D~~ ~~W~~ ~~D~~ ~~M~~
DPD[LXP SRIQ ~~S~~ ~~W~~ ~~M~~ ~~R~~ ~~I~~ ~~L~~ ~~Y~~ ~~H~~ \HDUV LQ IHGHUDO SIUR ~~L~~ ~~H~~ ~~R~~ ~~Q~~ ~~D~~ ~~Q~~ ~~F~~ ~~R~~ ~~X~~ ~~Q~~ ~~W~~ 7KH 8 6 & RDVW *XDUG FRQVLGHUV ~~W~~ ~~R~~ ~~K~~ ~~D~~ ~~W~~ ~~R~~ ~~I~~ ~~G~~
Z ~~D~~ ~~H~~ ~~W~~ ~~R~~ ~~I~~ ~~E~~ ~~D~~ ~~@~~ ~~0~~ ~~1~~ ~~0~~ ~~A~~ ~~1~~ ~~#~~ ~~P~~ ~~@~~ ~~J~~ ~~M~~ ~~D~~

Appendix B

Selection of Laser Safety Eyewear

\$SSURSULDWH ODVHU SURWHFWEYH FH DZLDGDP QWLW HE B QZRU
RSHQ EHMW

Appendix C

6DPSS06 = &RPSOLDQW &RQWVMDQUBWHQMRU
&ODVMDVIRQWURODUHGLQUH6DJQ

6DPSS06 = &RPSOLDQW &RQWVMDQUBWHQMRU
&ODVMDVIRQWURODUHGLQUH6DJQ

6DPSS06 = &RPSOLDQW &RQWVMDQUBWHQMRU
&ODVMDVIRQWURODUHGLQUH6DJQ

Glossary

\$PHULFDQ 1DWLRQDO \$PHULFDQ UGHF KQVFDW XEVRG \ ZKLFK UH
6WDQGDUG IRU WKH 6DIH 8VH RI /DVHUV DQG = 6WDQGD
)DFLOLWLHFWUHWKDUULDW IRU WKH = ; QVWDQGDUG RIH \$PHULFDQ

\$XWKRULJHGHU DV SULPDU\ ODVHU XVHU ZEK RV KHD V/DEHHUQ 6DSH
&RPPHWWHFRUN ZLWK ODVHUV DW WKH 8QLYHUVLW\ RI 6RXW

\$YHUDJH ±3RZH D YHUDJH SRZHU RI D SXOVHG ODVHU LV WK
- SXOVH DQG WKH SXOVH UHSHWLWLRQ IUHTXHQF\ +] RU
LQDZWWV - VHF

\$YHUVLRQ 50HSRQVH RI WKH H\HOLG H\H PRYHPHQW SXSL

/DMU/LJKW \$PSOLILFDWLRQ

5HWLQDO +D#2S@5FEDLQWLRQ ZLEWKZDYHQHQJWIGWKHP ZK
SULQFLSDO KDJDUCHMLQ\ VXDOO\ WR WKH

6SHFXOBEWLEHQXOWV ZGHQWQDQEDWLRQ RHIDP VYUWBFQHZ

Emergency Contact

Index

\$FFHV &RQWURO
\$GPLQLVWUDWLYH &RQWURO 0HDVXUHV
\$OWHUQDWH &RQWURO 0HDVXUHV
\$PHULFDQ 1DWLRQDO 6WDQGDUGV ,QVWLWXWH
\$QFLOODU\ +D]DUGV
\$SSHQGL[\$
\$SSHQGL[%
\$SSHQGL[&
\$SSOLFDELOLW\
\$XWKRUL]HG /DVHU 8VHU

\$XWKRUL]HG /DVHU 8VHUV
\$YHUDJH 3RZHU
\$YHUVLRQ 5HVSQRVH
%HDP 0DQDJHPHQW
%OLQN 5HIOH[

&DVV
&DV0
&DVV
&DV0
&ODVV %
&DV5
&ODVV

&RKUHQW 5DGLDWLRQ
&ROODWHUDO 5DGLDWLRQ +D]DUGV

&RPSUHVVHG *DV
&RQVHTXHQFHV
&RQLQXRXV :DYH

&UVRJHO +D]DUGV
!P@ €GQRp0` 5HIA@ €5D D p QR Q € G A P Q I P D A @% W@
LIIXVH 5HIOHFWLRQ
(OHFWULFDO +D]DUGV
(PEHGGHG /DVHU