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

& OVD % DGF OVD VO DW VK DEOR S HUB V ZL WKKZHU 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 ODVHUV VR QWKE PLE D V D V H U
5HJLV V U S W L R U P WR WKH 5DGLDWLRQ 6DIHW\ 2IILFH 7KH /8
W K B \$ 5DGLDWLRQ W D V F T M H U N L R H D I Q G K S D O G I U SRLQWHUV ZLO
UHJLVWHUHG

Laser Use Application (LUA)

\$ /DVHMH \$SSOLZ \$ D W K E O I O F R P S E O H W K R G / H V H H N L Q J R W R X V H D
ODVHU DW 7KH 8QLYHUVLW\ RI 6RXW E \ \$ O V S H F 2 3 D L B Q G P X V W E

Standard Operating Procedures

)R O D V H U V V W D Q G D U G R S H U D W L Q J S U R F H G X U D I Q G 6 2 3 V D U
ODVHUV 7KHVH 623V PXVW

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

G G H V F U L E H K R Z W R U H V S R Q G L Q D Q H P H U J H Q F \ V L W X D W L
H Q V W O D V H U S U R W H F W L Y H H \ H Z H D U U H T X L U H P H Q W V D Q G
I E H U H Y L H Z H G D Q Q X D O O \ E \ D O O X V H U V

\$W W D F K W K H 2 S H U D W R U 5 H Y L H Z G R F X P H Q W D W L R Q W R W K H
E \ W K H \$ X W K R V H L Q G D O V O U D V H P H G V R H U W K H S H U P L W I R X Q G P
W K H 6 2 , 3 W K R K O 2 3 J H G V L Q F H S H U P L W W L Q J R U R Y H U W K H \ H
Q H Z / D V H U H B U S G V G F R P S O H W H D Q H Z / 8 \$ V H U Q 6 V I R \$ 3 S O G F W
W K H / 6 2

[^] 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 JPSOHLQDQW SR QW IWRK
/62 RU GHVLJQDWH ZLOO SUHSDUH DU HHSRPHVQ GHV DFROULLQHF
DFWL \$QQRPV VLVDPV VKDOO EH FRUUHFWHG LQ Q WLPHO
LQ WKH UHSRUW/HV7KHQ DQZH RPUD\ HLW KH SU LSU/SIHRMPLB QI RQO R
FRQILUPDWLRQ RI FRPSOLDQFH

,Q WKH HYHQW RI DQ\ VHULRXV YLRODMHLR Q2 RZL GO VEFURLYHUW
PDWWHU WR WK\$X DW RULQ \$VGRQ RPHXWIKULU WR Q,Ò D@Ð`R)

8)2 ð0 DW0

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

Laser

Appendix A

Laser Pointer Safety Guidelines

~~SSOLFDE~~ ~~FODW~~ ~~QFOD~~ ~~V~~ ODVHU SRLQWHUV XVHG IRU FODVV
SUHVHQWDLRQV VKDOO EH RSHUDWHG XQGHU WKH JXLGH
DQG & ~~ODD~~WHU GHYLFHV VKDOO QRW EH XVHG LQ LQVWUXFW
\$ FODV ODVHU SRLQWHUV ~~ODD~~ ~~WHU~~ ~~GHYLFHV~~ ~~VKDOO~~ ~~QRW~~ ~~EH~~ ~~XVHG~~ ~~LQ~~ ~~LQVWUXFW~~
7KLV ~~U~~ ~~D~~ ~~O~~ ~~F~~ ~~O~~ ~~D~~ ~~X~~ ~~V~~ ~~H~~ ~~G~~ ~~D~~ ~~P~~ ~~D~~ ~~J~~ ~~H~~ ~~E~~ ~~H~~ ~~I~~ ~~R~~ ~~P~~ ~~M~~ ~~X~~ ~~W~~ ~~R~~ ~~H~~ ~~R~~ ~~P~~ ~~L~~ ~~I~~ ~~H~~ ~~I~~ ~~O~~ ~~F~~ ~~F~~ ~~O~~ ~~D~~ ~~S~~ ~~R~~ ~~V~~ ~~H~~
VHYHUH H\H KDJDUGV ZKHQ YLHZ ~~E~~ ~~B~~ ~~N~~ ~~W~~ ~~K~~ ~~U~~ ~~R~~ ~~R~~ ~~X~~ ~~F~~ ~~J~~ ~~K~~ ~~S~~ ~~R~~ ~~S~~ ~~V~~ ~~D~~ ~~L~~ ~~O~~ ~~F~~ ~~O~~ ~~E~~ ~~L~~ ~~O~~ ~~R~~ ~~V~~
,I WKH EOLQN UHIOH[LV GHOD\HG ORQJHU WKDQ PV V
PD\ RFLXUHUJH ~~O~~ ~~F~~ ~~F~~ ~~O~~ ~~D~~ ~~S~~ ~~R~~ ~~V~~ ~~H~~ ~~G~~ ~~D~~ ~~P~~ ~~D~~ ~~J~~ ~~H~~ ~~E~~ ~~H~~ ~~I~~ ~~R~~ ~~P~~ ~~M~~ ~~X~~ ~~W~~ ~~R~~ ~~H~~ ~~R~~ ~~P~~ ~~L~~ ~~I~~ ~~H~~ ~~I~~ ~~O~~ ~~F~~ ~~F~~ ~~O~~ ~~D~~ ~~S~~ ~~R~~ ~~V~~ ~~H~~
HYHQ ZLWKRXW ~~E~~ ~~X~~ ~~A~~ ~~M~~ ~~P~~ ~~L~~ ~~E~~ ~~V~~ ~~O~~ ~~N~~ ~~H~~ ~~I~~ ~~V~~ ~~Q~~ ~~R~~ ~~W~~ ~~J~~ ~~H~~ ~~U~~ ~~R~~

7KH LQWHQGHHG 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~~ ~~H~~ ~~U~~ ~~L~~ ~~V~~ ~~L~~ ~~Q~~ ~~R~~ ~~V~~ ~~H~~ ~~G~~ ~~H~~ ~~O~~ ~~V~~ ~~S~~ ~~X~~ ~~U~~ ~~S~~ ~~R~~ ~~V~~ ~~H~~
LQVWUXFW ~~O~~ ~~F~~ ~~F~~ ~~O~~ ~~D~~ ~~S~~ ~~R~~ ~~V~~ ~~H~~ ~~G~~ ~~D~~ ~~P~~ ~~D~~ ~~J~~ ~~H~~ ~~E~~ ~~H~~ ~~I~~ ~~R~~ ~~P~~ ~~M~~ ~~X~~ ~~W~~ ~~R~~ ~~H~~ ~~R~~ ~~P~~ ~~L~~ ~~I~~ ~~H~~ ~~I~~ ~~O~~ ~~F~~ ~~F~~ ~~O~~ ~~D~~ ~~S~~ ~~R~~ ~~V~~ ~~H~~
/DEHOLQJ ~~R~~ ~~I~~ ~~7~~ ~~K~~ ~~H~~ ~~8~~ ~~6~~ ~~&~~ ~~R~~ ~~D~~ ~~V~~ ~~W~~ ~~*X~~ ~~D~~ ~~U~~ ~~G~~ ~~F~~ ~~R~~ ~~Q~~ ~~V~~ ~~L~~ ~~G~~ ~~H~~ ~~U~~ ~~V~~ ~~W~~ ~~R~~ ~~K~~ ~~E~~ ~~D~~ ~~W~~ ~~R~~ ~~I~~ ~~G~~ ~~H~~ ~~E~~ ~~T~~ ~~C~~ ~~U~~ ~~R~~ ~~O~~ ~~R~~ ~~J~~ ~~L~~
PDQXID ~~V~~ ~~W~~ ~~R~~ ~~X~~ ~~U~~ ~~S~~ ~~U~~ ~~R~~ ~~Y~~ ~~L~~ ~~G~~ ~~H~~ ~~F~~ ~~R~~ ~~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[LPP 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~~ ~~8~~ ~~6~~ ~~&~~ ~~R~~ ~~D~~ ~~V~~ ~~W~~ ~~*X~~ ~~D~~ ~~U~~ ~~G~~ ~~F~~ ~~R~~ ~~Q~~ ~~V~~ ~~L~~ ~~G~~ ~~H~~ ~~U~~ ~~V~~ ~~W~~ ~~R~~ ~~K~~ ~~E~~ ~~D~~ ~~W~~ ~~R~~ ~~I~~ ~~G~~ ~~H~~ ~~E~~ ~~T~~ ~~C~~ ~~U~~ ~~R~~ ~~O~~ ~~R~~ ~~J~~ ~~L~~
VXUIDFHV VXFK DV JODVV PHWDO DQRX ~~E~~ ~~B~~ ~~N~~ ~~W~~ ~~K~~ ~~U~~ ~~R~~ ~~R~~ ~~X~~ ~~F~~ ~~J~~ ~~K~~ ~~S~~ ~~R~~ ~~S~~ ~~V~~ ~~D~~ ~~L~~ ~~O~~ ~~F~~ ~~O~~ ~~E~~ ~~L~~ ~~O~~ ~~R~~ ~~V~~
GLUHFWLQJ WKH ODVHU EHDP ,QGLVFUB ~~P~~ ~~L~~ ~~Q~~ ~~D~~ ~~O~~ ~~D~~ ~~V~~ ~~X~~ ~~V~~ ~~H~~ ~~G~~ ~~D~~ ~~P~~ ~~D~~ ~~J~~ ~~H~~ ~~E~~ ~~H~~ ~~I~~ ~~R~~ ~~P~~ ~~M~~ ~~X~~ ~~W~~ ~~R~~ ~~H~~ ~~R~~ ~~P~~ ~~L~~ ~~I~~ ~~H~~ ~~I~~ ~~O~~ ~~F~~ ~~F~~ ~~O~~ ~~D~~ ~~S~~ ~~R~~ ~~V~~ ~~H~~
ODVHU ~~S~~ ~~R~~ ~~L~~ ~~Q~~ ~~W~~ ~~H~~ ~~U~~ ~~V~~ ~~W~~ ~~R~~ ~~K~~ ~~E~~ ~~D~~ ~~W~~ ~~R~~ ~~I~~ ~~G~~ ~~H~~ ~~E~~ ~~T~~ ~~C~~ ~~U~~ ~~R~~ ~~O~~ ~~R~~ ~~J~~ ~~L~~ ~~I~~ ~~R~~ ~~U~~ ~~W~~ ~~K~~ ~~H~~ ~~L~~ ~~U~~ ~~O~~ ~~D~~ ~~V~~ ~~H~~ ~~G~~ ~~D~~ ~~P~~ ~~D~~ ~~J~~ ~~H~~ ~~E~~ ~~H~~ ~~I~~ ~~R~~ ~~P~~ ~~M~~ ~~X~~ ~~W~~ ~~R~~ ~~H~~ ~~R~~ ~~P~~ ~~L~~ ~~I~~ ~~H~~ ~~I~~ ~~O~~ ~~F~~ ~~F~~ ~~O~~ ~~D~~ ~~S~~ ~~R~~ ~~V~~ ~~H~~
DLGV LQFOXGH WHOHVFRSHV ELQRFXODUV YLHZLQJ RSWL
'LUHFWLQJ DQ\ ODVHU EHDP DW DQR ~~W~~ ~~K~~ ~~H~~ ~~8~~ ~~6~~ ~~&~~ ~~R~~ ~~D~~ ~~V~~ ~~W~~ ~~*X~~ ~~D~~ ~~U~~ ~~G~~ ~~F~~ ~~R~~ ~~Q~~ ~~V~~ ~~L~~ ~~G~~ ~~H~~ ~~U~~ ~~V~~ ~~W~~ ~~R~~ ~~K~~ ~~E~~ ~~D~~ ~~W~~ ~~R~~ ~~I~~ ~~G~~ ~~H~~ ~~E~~ ~~T~~ ~~C~~ ~~U~~ ~~R~~ ~~O~~ ~~R~~ ~~J~~ ~~L~~ ~~I~~ ~~R~~ ~~U~~ ~~W~~ ~~K~~ ~~H~~ ~~L~~ ~~U~~ ~~O~~ ~~D~~ ~~V~~
ODVHU JXLGH ~~V~~ ~~W~~ ~~R~~ ~~X~~ ~~U~~ ~~S~~ ~~U~~ ~~R~~ ~~Y~~ ~~L~~ ~~G~~ ~~H~~ ~~F~~ ~~R~~ ~~U~~ ~~H~~ ~~F~~ ~~W~~ ~~O~~ ~~D~~ ~~E~~ ~~H~~ ~~O~~ ~~L~~ ~~Q~~ ~~J~~ ~~I~~ ~~R~~ ~~U~~ ~~W~~ ~~K~~ ~~H~~ ~~L~~ ~~U~~ ~~O~~ ~~D~~ ~~V~~ ~~H~~ ~~G~~ ~~D~~ ~~P~~ ~~D~~ ~~J~~ ~~H~~ ~~E~~ ~~H~~ ~~I~~ ~~R~~ ~~P~~ ~~M~~ ~~X~~ ~~W~~ ~~R~~ ~~H~~ ~~R~~ ~~P~~ ~~L~~ ~~I~~ ~~H~~ ~~I~~ ~~O~~ ~~F~~ ~~F~~ ~~O~~ ~~D~~ ~~S~~ ~~R~~ ~~V~~ ~~H~~
ZLGH ~~G~~ ~~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~~
YLVLQJ DQG DELOLW\ WR ~~D~~ ~~D~~ ~~V~~ ~~R~~ ~~L~~ ~~G~~ ~~G~~ ~~D~~ ~~D~~ ~~V~~ ~~I~~ ~~D~~ ~~I~~ ~~O~~ ~~R~~ ~~I~~ ~~O~~ ~~S~~ ~~L~~ ~~P~~ ~~I~~ ~~L~~ ~~O~~ ~~F~~ ~~O~~ ~~D~~ ~~K~~ ~~D~~ ~~W~~ ~~D~~ ~~M~~
DPD[LPP SRIQ ~~S~~ ~~W~~ ~~M~~ ~~R~~ ~~I~~ ~~Y~~ ~~H~~ \H DUV LQ IHGHUDO SIUR ~~L~~ ~~O~~ ~~R~~ ~~Q~~ ~~D~~ ~~Q~~ ~~G~~ ~~F~~ ~~R~~ ~~X~~ ~~Q~~ ~~W~~ ~~7~~ ~~K~~ ~~H~~ ~~8~~ ~~6~~ ~~&~~ ~~R~~ ~~D~~ ~~V~~ ~~W~~ ~~*X~~ ~~D~~ ~~U~~ ~~G~~ ~~F~~ ~~R~~ ~~Q~~ ~~V~~ ~~L~~ ~~G~~ ~~H~~ ~~U~~ ~~V~~ ~~W~~ ~~R~~ ~~K~~ ~~E~~ ~~D~~ ~~W~~ ~~R~~ ~~I~~ ~~G~~ ~~H~~ ~~E~~ ~~T~~ ~~C~~ ~~U~~ ~~R~~ ~~O~~ ~~R~~ ~~J~~ ~~L~~ ~~I~~ ~~R~~ ~~U~~ ~~W~~ ~~K~~ ~~H~~ ~~L~~ ~~U~~ ~~O~~ ~~D~~ ~~V~~
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 SURWHFWWEYH FH DZLDGDP QWLW HE D 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 UHC
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
&RPPHWWHZRUN 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 KDJDUHMLQ\ VXDOO\ WR WKH

6SHFXODUWLRQ XOWV ZGHQWDLQEDWLRQ RHIDP VYUWFOHZE

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

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

&RPSUHVVHG *DV
&RQVHTXHQFHV
&RQLQXRXV :DYH

&UVRJHO +D]DUGV
LIIXVH 5HIOHFWLRQ
(OHFWULFDO +D]DUGV
(PEHGGHG /DVHU

GV

!P@ €GxQRp0` 5UHÀ@ €5D D p QR R € G A P Q R S T U V W X Y Z @% W@