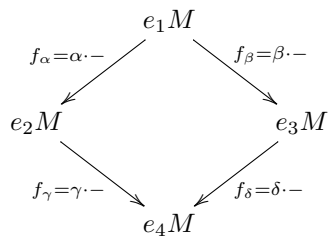


ERRATA FOR MA3203 RING THEORY - SPRING 2016

**Page 16:** There is an  $M$  missing in the representation of the right hand side of this page, it should be



**Page 50:** The homomorphisms  $g$  and  $h$  are swapped in the decomposition of the module  $F$ . It should be

$$F \simeq \text{Im } h \oplus \text{Ker } g.$$

**Page 60:** In the video *Krull-Remak-Schmidt theorem - projectives - part 2* at 2:30, it is said that  $\underline{r}$  is the radical of the algebra, but it should be the radical of the ring  $\Lambda$ .

**Page 67:** In Examples (1) on this page, it is written: Choose  $z \in Z(\Lambda)$ , but it should be: Choose  $z \notin Z(\Lambda)$ .