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| Class: Rectangle2D |
| Objects:  Set center coordinates of rectangle  -double x  -double y  Set width and height of rectangle  -double width  -double height |
| Behaviors:  +getx(): double const  +gety(): double const  +setx(): void  +sety(): void  +getWidth(): double const  +getHeight(): double const  +setWidth(): void  +setHeight(): void  Default Constructor:  +Rectangle2D()  Argument Constructor:  +Rectangle2D(double x, double y, double width, double height)  +getArea(): double const  +getPerimeter(): double const  +contains(double x, double y): bool const  +contains(const Rectangle2D &r): bool const  +overlaps(const Rectangle2D &r): bool const |

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| Class: Course |
| Objects: |
| Behaviors:  +dropStudent(): void  +clear(): void  Destructor:  ~Course()  Copy Constructor  +Course(const Course&) |