

university/urls.py

```
from django.contrib import admin
```

```
from django.urls import include, path
```

```
urlpatterns = [
```

```
    path('admin/', admin.site.urls),
```

```
    path('registration/', include('registration.urls')),
```

```
]
```

Admin.py

```
from django.contrib import admin
```

```
from .models import Student, Course, Enrollment
```

```
admin.site.register(Student)
```

```
admin.site.register(Course)
```

```
admin.site.register(Enrollment)
```

forms.py

```
from django import forms
```

```
from .models import Enrollment
```

```
class EnrollmentForm(forms.ModelForm):
```

```
    class Meta:
```

```
        model = Enrollment
```

```
        fields = ['student', 'course']
```

models.py

```
from django.db import models
```

```
class Student(models.Model):
```

```
    first_name = models.CharField(max_length=100)
```

```
    last_name = models.CharField(max_length=100)
```

```
    email = models.EmailField(unique=True)
```

```
    def __str__(self):
```

```
        return f'{self.first_name} {self.last_name}'
```

```
class Course(models.Model):
```

```
    name = models.CharField(max_length=100)
```

```
    code = models.CharField(max_length=10, unique=True)
```

```
    description = models.TextField()
```

```
    def __str__(self):
```

```
        return self.name
```

```
class Enrollment(models.Model):
```

```
    student = models.ForeignKey(Student, on_delete=models.CASCADE)
```

```
    course = models.ForeignKey(Course, on_delete=models.CASCADE)
```

```
class Meta:
```

```
    unique_together = ('student', 'course')
```

```
urls.py
```

```
from django.urls import path
```

```
from django.shortcuts import render
```

```
from . import views
```

```
urlpatterns = [
```

```
    path('register/', views.register_student, name='register_student'),
```

```
    path('course/<int:course_id>/', views.course_students, name='course_students'),
```

```
    path('success/', lambda request: render(request, 'registration/success.html'), name='success'),
```

```
]
```

```
views.py
```

```
from django.shortcuts import render, get_object_or_404
```

```
from django.http import HttpResponseRedirect
```

```
from .models import Student, Course, Enrollment
```

```
from .forms import EnrollmentForm
```

```
def register_student(request):
```

```
    if request.method == "POST":
```

```
        form = EnrollmentForm(request.POST)
```

```
        if form.is_valid():
```

```

        form.save()

        return HttpResponseRedirect('/registration/success/')

    else:

        form = EnrollmentForm()

    return render(request, 'registration/register_student.html', {'form': form})


def course_students(request, course_id):

    course = get_object_or_404(Course, id=course_id)

    students = Enrollment.objects.filter(course=course)

    return render(request, 'registration/course_students.html', {'course': course, 'students':
students})

```

course_student.html

```

<!-- registration/templates/registration/course_students.html -->

<h2>Students registered in {{ course.name }}</h2>

<ul>

    {% for enrollment in students %}

        <li>{{ enrollment.student.first_name }} {{ enrollment.student.last_name }}</li>

    {% endfor %}

</ul>

```

register_student.html

```

<!-- registration/templates/registration/register_student.html -->

<h2>Register Student to Course</h2>

```

```
<form method="post">
    {% csrf_token %}
    {{ form.as_p }}
    <button type="submit">Register</button>
</form>
```

success.html

```
<!-- registration/templates/registration/success.html -->
<h2>Registration Successful!</h2>
<a href="/registration/register/">Register another student</a>
```